



Turn Horn

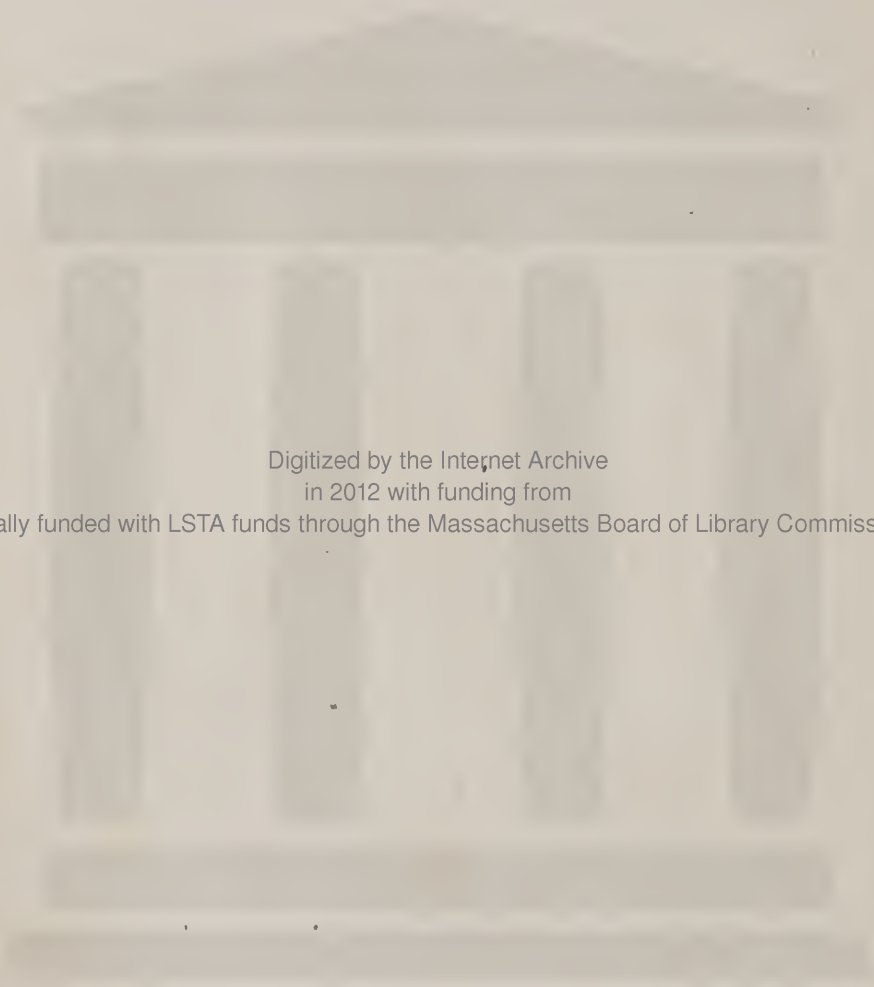
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1897.

# REPORT

..OF THE..

# TOWN OFFICERS

..OF..

IPSWICH, MASS.,

..FOR THE..

YEAR ENDING DECEMBER 31st, 1896,  
(Eleven Months,)

..AND THE..

Two Hundred and Sixty-Third Year of the  
Town's Incorporation.

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IPSWICH, MASS.:  
THE INDEPENDENT PRESS,  
1897.





# TOWN OFFICERS, 1896.

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## Town Clerk,

Charles W. Bamford.

## Selectmen,

Luther Wait,                      Augustine H. Spiller,                      John A. Brown.

## Assessors,

Luther Wait,                      John A. Brown,                      Frederic Willcomb.

## Overseers of Poor,

Luther Wait,                      John A. Brown,                      Charles S. Cummings.

## Treasurer and Collector,

Thomas E. Condon.

## School Committee,

John W. Nourse,	Term expires	1897
Charles S. Cummings,	“      “	1897
Charles W. Bamford,	“      “	1898
George E. Macarthy, M. D., (Chairman)	“      “	1898
John H. Cogswell, (Secretary)	“      “	1899
Harriet E. Noyes,	“      “	1899

## Registrars of Voters.

Charles W. Bamford,	J. Farley Kinsman,
Charles H. Glazier,	Warren Boynton.

## Auditor,

Henry F. Dunnels.

## Constables,

Charles T. Littlefield,	Charles H. Rollins,
Frank B. Page,	William H. Brocklebank.

## Water Commissioners,

Everard H. Martin,      William H. Russell,      Walter E. Lord.

## Cemetery Commissioners,

Phillip E. Clarke,                      James Griffing,                      Samuel N. Baker.

## Board of Health,

James Griffing,                      Levi W. Mallard,                      George W. Smith.

## Assessors' Report.

FOR THE ELEVEN MONTHS ENDING DECEMBER 31, 1896.

### Appropriations :

For High and common schools.....	\$12500
Highways, including \$2,000 for side-walks, edgestones and concrete.....	8000
Current expenses.....	3000
Street lamps.....	1500
Fees and salaries.....	4000
Fire department.....	1000
Poor account.....	2000
Farm account.....	1000
Note, Green street bridge.....	500
Note, new schoolhouse.....	1000
Sinking fund (Water account).....	1759 50
Hydrant service.....	2675
Memorial day.....	150
Interest on town notes.....	1300
Repairing Prospect street.....	1000
Independence day (Fourth of July)....	400
Improvement of commons.....	150
New schoolhouse.....	100
Hose for fire department.....	600
Bridges, Market and Mineral streets	500
Bridge near Frank A. Stackpole's.....	150
Care of cemeteries.....	600
Total appropriations.....	\$43884 50
Voted to be assessed.....	\$43884 50
State tax.....	2065 00
County tax.....	2615 11
Total to assess.....	\$48564 61

Less receipts, [estimated].....	5684 00
Total amount assessed.....	\$42880 61
On Polls.....	2522 00
On personal property.....	10528 66
On real estate.....	29829 95
	—————\$42880 61
Number of Polls, 1261.	
Tax on Poll, \$2.00.	
Valuation of real estate.....	\$22085 09
Valuation of personal estate.....	7744 82
Total valuation for 1896.....	—————\$29829 91
Rate per thousand, \$13.50.	
Number of horses assessed.....	657
“ “ jacks “ .....	10
“ “ cows “ .....	708
“ “ cattle other than cows assessed.....	130
“ “ sheep assessed.....	113
“ “ swine “ .....	205
“ “ fowl “ .....	7911
“ “ dwelling houses assessed.....	912
“ “ acres of land “ .....	16287
Abatements.....	\$475 88

Respectfully submitted,

Luther Wait, }  
 Frederic Willcomb, } Assessors  
 John A. Brown, }

Ipswich, January 1st, 1897.

## Town Clerk's Report.

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IPSWICH, JAN. 1, 1897.

To the Selectmen of Ipswich,

GENTLEMEN:

I would respectfully submit the following report of Births, Deaths and Marriages, recorded in the Town Clerk's Office for the year 1896.

Births as recorded, 100.

Fathers born in Ipswich, 23.

Fathers born in other parts of Mass., 22.

Fathers born in other parts of U. S., 12.

Fathers born in British Provinces, 23.

Fathers born in England, 7:

Fathers born in Ireland, 6.

Fathers born in Sweden, 3.

Fathers born in Italy, 1.

Fathers born in Germany, 1.

Fathers born in Scotland, 1.

Birthplace unknown, 1.

Total, 100.

Mothers born in Ipswich, 21.

Mothers born in other parts of Mass., 24.

Mothers born in other parts of U. S., 7.

Mothers born in British Provinces, 28.

Mothers born in England, 6.

Mothers born in Ireland, 6.

Mothers born in Sweden, 3.

Mothers born in Italy, 1.

Mothers born in Scotland, 3.

Birthplace unknown, 1.

Total, 100.



Births as occurred by months: January 6, February 5, March 12, April 10, May 6, June 11. July 9, August 11, September 10, October 8, November 6, December 6.

Total, 100.

Marriages as recorded, 70.

Grooms born in Ipswich, 15.

Grooms born in other parts of Mass., 24.

Grooms born in other parts of U. S., 7.

Grooms Born in British Provinces, 14.

Grooms born in England, 3.

Grooms born in Ireland, 4.

Grooms born in Sweden, 3.

Total, 70.

Brides born in Ipswich, 17.

Brides born in other parts of Mass., 11.

Brides born in other parts of U. S., 12.

Brides born in British Provinces, 21.

Brides born in England, 2.

Brides born in Ireland, 4.

Brides born in Sweden, 3.

Total, 70.

Marriages by months: January 4, February 3, March 3, April 8, May 2, June 10, July 7, August 5, September 5, October 7, November 10, December 6.

Total, 70.

These were married by denominations as follows: Methodist 21, Congregational 17, Roman Catholic 11, Episcopal 7, Baptist 5, Swedish 2, Justice of the Peace 1, not given 6.

Deaths as recorded, 105.

Male, 46, Female, 59.

Born in Ipswich, 54.

Born in other parts of Mass., 22.

Born in other parts of U. S., 10.

Born in British Provinces, 10.

Born in England, 6.

Born in Ireland, 3.

Total, 105.

Age: 4 were 90 and upwards, namely

Caleb Lord, 93 years, 6 months, 7 days

Sarah Lord, 95 years, 4 months, 26 days.

Martha Bowen, 90 years, 3 months.

Clarissa Kinsman, 94 years, 10 months.

Eleven were 80 and less than 90.

16 were 70 and less than 80.

11 were 60 and less than 70.

6 were 50 and less than 60.

5 were 40 and less than 50.

7 were 30 and less than 40.

11 were 20 and less than 30.

4 were 10 and less than 20.

30 were 1 year and under.

Whole numbers of dogs licensed, 223.

Male dogs, 200. Female dogs, 23.

Respectfully submitted,

CHARLES W. BAMFORD,

Town Clerk.

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## Report of the Board of Health.

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The total number of cases of contagious and infectious diseases reported to the Board for the year 1896 was eighty-four, which was twelve less than was reported for the year 1895. Of these cases fifty-three were of diphtheria, twenty-four of typhoid fever, six of scarlet fever and one of membranous croup. The deaths due and resulting from the same were seven from diphtheria, three from typhoid fever and one from membranous croup. The large number of

cases of diphtheria was not unexpected by the Board, as most of these cases were reported during the last three months of the year when this disease seemed to be epidemic throughout this part of the county. Most of these cases were of a very mild type, and the Board used their utmost endeavors to prevent its spread and in each and every case their instructions were generally carried out. They have also been ably assisted in this matter by the teachers of the public schools, who when any of the scholars have complained of illness or appeared to the teachers to be ill, have at once sent them home; and in this way we think, perhaps, that a large number of cases have been prevented by their prompt action; and right here we would call the attention of the School Committee to the advisability of having the school-houses, during the March vacation, thoroughly cleansed by whitewashing the walls and ceilings and painting the wood-work wherever needed, in fact, place them in a sanitary condition throughout.

Now a few words in regard to the new Winthrop school building, of which several complaints were made to the Board during the fall term of a disagreeable odor which seemed to come from the basement; and on investigation your Board were not fully satisfied as to the cause and decided to call to their aid the State Board of Health, which was done, and on November 19th, John T. White and Joseph A. Moore, State Inspectors of Public Buildings, came and made an inspection of the sanitary condition of this building, and herewith is a copy of their report received by this board:

"There was considerable odor in the cellar of the building at the time of our visit, which might or might not come from concealed work, of the construction and workmanship of which we have no knowledge. The furnace which heats the corridors takes its air from the cellar. This is bad practice and we recommended a change, by rotating from

the corridor, also, that an opening be made from the cellar to the vent flues. We found the openings from the fresh air room to the furnaces too small and recommended their enlargement. We do not believe that the diphtheria, which is prevalent in the district, originated in this school." The Board at once transmitted a copy of this report to the school committee with a notice, requesting them to carry out the recommendations of the Inspectors, and no doubt but what they will bring this matter before the town at the annual town meeting in March for their consideration and adoption.

In closing our report a few words in regard to the sanitary condition of the town; we consider that it is in a good condition taking everything into consideration. We have had considerable complaint from overflowing cesspools during the year, a matter which we expected owing to the large usage of water; but we think this will be obviated in the future and that we shall have very little trouble from this source. There is very little more to say except that we have done our work for the best interest of all, and it is gratifying to the Board to note the manner in which our regulations have been generally carried out.

Respectfully submitted,

James Griffing,	} Board of Health.
George W. Smith,	
Levi W. Mallard,	



## Report of Engineers.

Report of Engineers of the Fire Department for year ending Jan. 1st, 1897:

Number of alarms, 5.

Number of still alarms, 2.

Value of property where fire occurred.....\$53000 00

Insurance of property where fire occurred..... 31200 00

Loss of property where fire occurred..... 4170 00

Insurance paid where fire occurred..... 1135 00

Number of men in department, 70.

Warren engine sold for..... 280 00

56 lbs. old brass sold for..... 3 50

Bought 1000 feet new woven hose, first quality.. 550 00

Inventory same as last year except 1000 feet additional hose making 5600 feet.

We have caused 250 feet of hose and play pipe to be placed at D. W. Appleton's in the Village.

Millett & Woodbury have permitted us to use their whistle as a fire alarm, and have kept a steam pressure sufficient to blow at any time. To compensate them for coal burned, we suggest the town remit their water rates, about \$16.

The department is well equipped, and the best of harmony prevails between the members. That they are efficient is shown by the small losses.

We recommend the appropriation of \$1000 to operate the department the ensuing year.

Respectfully submitted,

C. E. Goodhue,	} Engineers.
H. A. Russell,	
J. W. Patterson,	

## Report of Police.

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IPSWICH, JAN. 1, 1897.

To the Board of Selectmen of the town of Ipswich:

The following is a list of the arrests made by the Board of Police of said town for the year ending Jan. 1, 1897:

Drunks from Feb. 1, 1896 to Jan. 1, 1897, 169.

Assault and battery, 21.

Breach of peace, 23.

Larceny, 13.

Selling without license, 4.

Attempt to set fire, 1.

Vagrant, 3.

Insane, 1.

Over-driving, 1.

Embezzlement, 1.

State Almshouse, 1.

Stubborn child, 1.

Short lobsters, 1.

Moving dead body without permit, 1.

Inquest and death of Eliza Crampsey, 1.

Rescuing impounded beast, 1.

Idle life, 1.

Lascivious conduct, 1.

Cruelty to animals, 1.

Defrauding board, 1.

Total arrests, 247.

Tramps, 1565.

Respectfully submitted,

C. T. Littlefield, Chief of Police.

## Schools.

Bills allowed for the support of the Manning School and for the payment of teachers.

**Paid :**

Trustees of the Manning School.....	\$1215 00
Joseph I. Horton.....	1137 00
Lucy Hamlin.....	525 00
Carrie L. Lakeman.....	437 00
M. Elma Smith.....	350 00
Kate C. Baker.....	332 00
Eva M. Purinton.....	350 00
E. Mabel Adams.....	340 00
Annie P. Wade.....	272 00
S. Isabelle Arthur.....	350 00
Eva A. Willcomb.....	332 50
Katherine F. Sullivan.....	272 00
Lucy A. Kimball.....	256 00
Mabel R. Willis.....	332 50
Harriet D. Condon.....	262 50
Cora A. Smith.....	218 75
Louise S. Glover.....	218 75
Mary A. Perkins.....	218 75
Mary E. Archer.....	218 75
Lizzie F. Todd.....	262 50
Myrta B. Decatur.....	200 00
Grace E. Smith.....	196 75
Bertha A. Brown.....	75 00
Mabelle K. Remick.....	337 50
Cora H. Jewett.....	187 50
Laura A. Hubbard.....	131 25
Martha U. Lord.....	93 75
<hr style="width: 20%; margin-left: auto; margin-right: 0;"/> \$9124 25	

## Books and Supplies.

### Paid :

Edward E. Babb & Co.....	\$276 00
Houghton & Mifflin.....	36 93
Willard Small.....	3 50
American Book Co.....	7 27
Maynard Merrill & Co.....	1 48
Wm. Ware & Co.....	1 00
Geo. F. King & Merrill.....	75 86
Geo. S. Perry & Co.....	67 57
Horace A. Brooks.....	28 50
Oliver Ditson & Co.....	13 39
D. C. Heath & Co.....	24 41
Ginn & Co.....	123 18
O. R. Underhill.....	9 50
Allyn & Bacon.....	33 42
J. L. Hammatt Co.....	42 68
Chronicle Publishing Co., programs, etc..	22 75
Independent Printing Co., cards and pro- grams.....	25 00
Burdette College. diplomas.....	12 90
C. W. Bamford, ribbon.....	7 35
W. E. Lord, ribbon.....	2 41
E. S. Ritchie & Sons, lamps, bulbs, etc....	3 84
J. A. Swasey, blackboards.....	52 40
	————— \$871 34

## Care of School Houses.

### Paid :

Wm. H. Kirk, janitor, Intermediate and primary.....	\$183 75
Wm. P. Gould, janitor, Winthrop.....	200 00
John H. Baker, “ “ Dec. 1895 Jan., Feb. and March, 1896.....	100 00
Charles Bailey, janitor, Village.....	10 00



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Thomas Kinnear,	“	Linebrook.....	10 00
Lucy A. Kimball,	“	Dennison.....	10 00
F. A. Cross,	“	Candlewood....	10 00
Geo. E. Smith,	“	Argilla.....	9 00
Frank P. Day,	“	Willowdale.....	8 00
Wm. H. Kirk, work on snow, etc.....			1 60
Fred LeFave, ringing bell.....			2 00
Mrs. Hurlburt, cleaning.....			5 00
Lena McGilvery,	“	.....	2 00
Charles Jewett, cleaning vaults.....			13 00
J. B. Mitchell,	“	“ .....	5 00
W. H. Lavalette,	“	“ .....	1 50
A. W. Conant, trimming banks.....			1 00
Smith E. Hayes,	“	“ .....	1 00
			—————\$ 572 85

## Fuel.

### Paid :

J. C. Underhill, wood.....	30 39
Est. Austin Carter, “ .....	56 25
Thomas Kinnear, “ .....	2 00
W. H. Lavalette, “ .....	13 13
Seth Senior, “ .....	35 50
Oliver A. Bailey, “ .....	15 00
J. R. Wilson, “ .....	11 00
John S. Glover, coal.....	195 26
T. B. Fall & Son, “ .....	137 94
J. M. Caldwell & Son, “ .....	89 01
Thomas Traverse, sawing wood.....	5 75
Thomas Kinnear, “ “ .....	75
W. H. Kirk, handling wood.....	60
Charles Bailey, “ “ .....	1 00
F. H. Cogswell, carrying wood to Island	2 00
B. A. Melvin, sawing and housing wood	4 87
————— \$600 45	

## Repairs.

### Paid :

S. F. Canney, lumber.....	17	48
Charles E. Smith, stock and labor.....	43	46
Samuel F. Foss,       "       " .....	16	05
Foster Russell,       "       " .....	20	74
R. P. Spiller, labor.....	2	10
Malachi Nolan, iron work.....	6	23
Thomas Kinnear, repairing flag.....		50
W. C. Henderson,       "       " and table..	7	00
James B. Scott, setting glass.....	7	30
A. H. Plouff, sundries and repairs.....	18	21
J. M. Purinton, labor and material.....	6	00
J. F. Wippich, repairing clock.....	1	00
J. M. Dunnels, stock and labor.....	11	22
A. H. Plouff,       "       " .....	10	18
A. W. Gould,       "       " .....	2	00
		\$169 47

## Incidentals.

### Paid :

Water Department.....	\$ 42	34
Chronicle Pub. Co., School Report.....	59	30
John W. Goodhue, sundries.....	19	41
Geo. E. Macarthy, rent of office.....	54	00
Geo. E. Macarthy, use of horse.....	9	00
Jackson Express Co.....	16	70
Tenney's Express.....	3	37
American Express Co.....	1	00
A. D. Mallard, teaming.....	9	80
F. H. Howe,       " .....	2	65
Jeremiah Sullivan, digging post holes.....	4	00
Arthur C. Damon, furniture.....	155	00
F. T. Goodhue, broom and pail.....		80
Ebin R. Smith, sundries.....	7	27

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A. H. Plouff, hose, faucets, lawn mower, etc.....	30 71	
L. E. Willcomb, brooms.....	70	
Frank P. Day, broom.....	25	
Wm. P. Gould, making screens.....	8 50	
Bernard Scahill, dinners for flagstaff men 3	1 00	
Charles W. Brown, gas fixtures.....	79 53	
Charles W. Brown, sundries.....	2 60	
David A. Grady, horse hire.....	12 50	
T. H. Lord, sundries.....	1 60	
F. Russell, pencil boards.....	6 75	
		————— \$528 78

## New School House.

### Paid :

A. C. Damon, furniture.....	\$ 169 75
Wright Brothers, plumbing.....	473 94
Suffolk Engraving Co., view of building	6 00
John Doyle, labor.....	5 40
Geo. S. Perry & Co., furniture.....	535 83
C. T. Gwinn, teaming.....	50
Charles E. Smith, contract.....	1480 00
Charles E. Smith, extra work.....	92 32
Walker & Pratt, furnaces, etc.....	661 00
Frank H. Howe, teaming.....	2 00
Charles S. Tyler, clocks.....	17 00
Geo. G. Dexter, view of building.....	2 25
Burnham & Closson, painting.....	152 00
Tenney's Express, teaming.....	4 35
A. H. Plouff, furnishings.....	66 30
Foster Russell, labor.....	25 33
David Lowe, labor.....	2 40
S. F. Canney, lumber .....	16 63
Boston Oregon Mast Co., flagstaff.....	75 00
George Spencer, labor on flagstaff.....	6 25

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Alonzo Butler, painting.....	30 90	
Frank E. Burnham, mason work.....	33 17	
Barton & Williams, stone posts and set- ting .....	9 75	
Edward Dole, gravel.....	7 70	
Ipswich Gas Co., laying pipe.....	15 22	
George Fall, posts.....	4 00	
		—————\$3894 99

### Recapitulation.

#### Appropriations :

For Manning and common schools.....	\$12500 00	
Received from Mass. School Fund.....		
Received from dog licenses.....		
Received from notes on school house..	3000 00	
Appropriated for school house.....	100 00	
Error, bill of W. Henderson, paid twice	3 50	
		—————\$15603 50

#### Expenditures :

Paid trustees and teachers.....	\$9124 25	
books and supplies.....	871 34	
care of school houses.....	572 85	
fuel.....	600 45	
repairs .....	169 47	
incidentals .....	528 78	
new school house.....	3894 99	
		—————15762 13
		—————
Excess of expenditures.....		158 63

## Current Expenses.

### Town House.

#### Paid :

George W. Baker, janitor.....	\$183 26
Jeremiah Smith, wood.....	12 00
J. S. Glover, coal.....	37 08
J. M. Caldwell & Son, coal.....	30 74
T. B. Fall & Son, coal.....	24 88
Geo. W. Baker, filing saws.....	60
J. M. Dunnels, funnel, grate and labor....	14 55
Ipswich Gas Light Co., gas.....	142 80
C. F. Chapman, repairs.....	5 50
Theo. F. Cogswell, insurance.....	64 13
Isaac Buzzell, trimming banks.....	2 00
T. E. Condon, sundries.....	61
Mark Newman, " .....	1 01
J. W. Goodhue, " .....	28
C. F. Wilcox, " .....	1 72
A. C. Damon, tables.....	4 00
Nathaniel Burnham, matches.....	15
Ebin R. Smith, sundries.....	2 10
Hamilton & Balcom, letters.....	10 00
E. W. Choate, putting on letters.....	1 50
Alfred Norman, repairing windows.....	2 46
I. W. Wheeler & Co., canvas for cells.....	6 00
<hr/> \$ 547 37	

### Board of Health.

#### Paid :

George W. Smith, postage.....	\$ 2 08
Independent Printing Co., regulations, etc.	38 31



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L. W. Mallard, distributing regulations.....	4 00
A D. Mallard, teaming.....	4 50
Samuel Parsons, services at Young's block, (diphtheria) .....	3 50
David A. Grady, horse hire.....	4 50

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 56 89

## Water Department.

### Paid :

To sinking fund.....	\$1809 50
For sprinklers on commons.....	42 57

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 1852 07

## Cemeteries.

### Paid :

Smith E. Hayes, labor .....	\$ 1 80
John Doyle, " .....	82 10
Geo. H. Hills, " .....	3 00
Wm. H. Kirk, " .....	8 80
Geo. E. Lord, " .....	8 00
Levi Howe, " .....	2 00
Charles V. Hills, " .....	8 60
John R. Patch, " .....	16 50
James Griffing, " .....	48 00
Allen Doyle, " .....	8 25
Charles H. Baker, " .....	9 37
G. A. Pickard, " .....	54 90
John H. Baker, " .....	3 50
Stephen H. Baker, " .....	5 00
Francis H. Wade, " .....	4 15
James Kinnear, " .....	7 80
J. Stackpole & Son, fertilizer.....	3 60
Thomas P. Thomas, concreting.....	51 60
F. T. Goodhue, sundries.....	1 75
J. W. Goodhue, " .....	7 57

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Luther A. Lord, labor.....	4 40
Luther Lord, " .....	86 63
Thomas H. Lord, grass seed.....	45
John W. Nourse, copying and indexing in- scriptions .....	60 00
Philip E. Clarke, manure and labor.....	39 20
S. N. Baker, services.....	8 00
N. R. Underhill, gravel.....	1 00

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 535 97

### Soldiers' Relief.

#### Paid :

Maggie Goodwin.....	\$74 00
J S. Glover, coal for M. Goodwin.....	1 60
City of Beverly, supplies to M. Chapman...	21 76
W. H. Russell, M. D., expenses of L. D. Pickard to hospital.....	5 00
Est. Wm. G. Brown, rent for M. Goodwin	8 00
Est. Wm. G. Brown, rent for M. Moore.....	16 25
A. E. Jewett, care of R. P. Spiller.....	31 00
Etta Bradley, " " " .....	12 25
G. G. Bailey, M. D., care R. P. Spiller.....	52 05
W. S. Russell, rubber sheeting (D. Pickard)	1 75
P. E. Clarke, burial D. Pickard and J. Sulli- van to be reimbursed by state.....	70 00

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 293 66

### Incidentals.

#### Paid :

Wm. Read & Sons, police outfits.....	\$ 41 13
Fairbanks Company, scale books.....	13 40
George A. Schofield, stamps.....	11 50
George W. Baker, meals for prisoners.....	71 74
Chronicle Pub. Co., registrars notices.....	11 25
Chronicle Pub. Co., printed folders.....	4 50
Chronicle Pub. Co., contract, Electric R. R.	4 50

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Chronicle Pub. Co., laws for surveyors...	1 75
Chronicle Pub. Co., tax bills.....	8 25
Chronicle Pub. Co., slips for town clerk...	25
Chronicle Pub. Co., notice for bills.....	1 00
Independent Printing Co., Town Reports	114 60
Independent Printing Co., registrars' notice .....	6 00
Independent Printing Co., ballots.....	25 00
Independent Printing Co., envelopes and receipts for collector.....	9 25
Independent Printing Co., envelopes and notices for collector.....	9 50
Independent Printing Co., Town By-Laws	3 50
Independent Printing Co., posters, town clerk .....	1 75
Independent Printing Co., letter heads....	3 00
Independent Printing Co., tax notices....	3 00
Independent Printing Co., notice for bills	3 00
Levi W. Mallard, distributing Town Reports .....	8 50
George W. Baker, labor on booths.....	3 00
David A. Grady, horse hire.....	10 50
Warren Boynton, " " .....	5 05
Walter Sheppard, ringing bell.....	44 35
S. J. Wakeham, " " .....	2 00
John Roberts, " " .....	3 50
J. F. Claxton, meals for registrars.....	2 00
D. B. Hinckley, " " .....	2 00
E. L. Perley, binding Town Reports.....	11 50
Greenough, Adams & Co., writing ink....	2 00
Isaac Buzzell, inking trees.....	54 50
Isaac Buzzell, cutting common.....	9 00
B. F. Deland, " " .....	6 00
C. W. Spiller, " " .....	31 20
J. A. Jewett, " " .....	50

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G. M. Southwick, assessors' books.....	4 14
Post 128, G. A. R., Memorial Day.....	150 00
Jackson Express.....	1 45
American Express.....	2 70
Luther Wait, twice to Boston (State highway) .....	2 30
Luther Wait, twice to Boston (Electric railway) .....	2 00
Luther Wait, expense to Boston (Boundary hearing).....	1 80
Luther Wait, paid for petition (County Commissioners) .....	3 00
Luther Wait, expense in Crampsey case...	1 20
Luther Wait, expense to Haverhill, Garrette case.....	1 30
Luther Wait, taking census.....	15 00
Frederic Willcomb, taking census.....	15 00
Frederic Willcomb, Public Statutes.....	2 00
John A. Brown, taking census.....	15 00
A. D. Wells, repairing pound.....	2 35
H. C. Wait, Directory.....	50
Ebin R. Smith, sundries.....	3 85
J. A. Blake, chairman Celebration com.....	400 00
John H. Cogswell, taking school census...	20 00
Benjamin Fewkes, plants and care of mounds.....	95 00
J. W. Nourse, plan of Rowley road.....	116 50
Foster Russell, sundry jobs.....	3 75
Albert Tenney, teaming.....	25
M. R. Warren, books, license blanks, etc..	3 07
P. B. Murphy, dog license blanks.....	1 50
George W. Spiller, lettering street signs....	23 60
Chas. W. Bamford, books, stationery, etc.	7 31
Thomas E. Condon, stamps.....	44 20



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Brackett Bros., rent of land for pound.....	5 00	
Tyler Caldwell, sand.....	24	
E. B. Baker, washing blankets.....	3 20	
J. M. Dunnels, rubber hose and nozzle.....	17 00	
J. M. Dunnels, dippers and repairs at fountain.....	2 70	
Edward Dole, inspecting cattle.....	34 00	
Edward Dole, use of horse.....	17 45	
Edward Dole, stamps and stationery.....	49	
W. H. Kirk, sharpening mower.....	1 00	
S. F. Canney, lumber for registrars' lists	2 46	
L. W. Mallard, watering common.....	10 00	
Walter F. Gould, team for police.....	1 00	
Est. of W. G. Brown, use of horse.....	1 00	
J. W. Goodhue, rope for buoys.....	36	
J. W. Goodhue, sundries.....	9 22	
Barton & Williams, changing post account electrics.....	1 50	
W. F. Brocklebank, care of buoys.....	20 00	
J. W. Nourse, plan of road (Garrette case)	3 00	
J. F. Wippich, care and repair of town clock.....	23 00	
J. F. Wippich, repair police badges.....	25	
C. F. Wilcox, paper and tacks for trees...	2 93	
Wm Stone, ink for trees.....	6 54	
T. F. Cogswell, oil for trees.....	20	
George K. Dodge, photographs of road, Garrette case.....	3 00	
Samuel Hobbs & Co., blank forms.....	1 40	
		<hr/> \$1649 18
Total Expenditures.....		<hr/> \$4935 14



## Recapitulation.

### Appropriations :

Current expenses.....	\$3000 00
Sinking fund.....	1759 50
Memorial Day.....	150 00
Independence Day.....	400 00
Cemeteries.....	600 00
Commons.....	150 00
	—————\$6059 50

### Expenditures :

Town Hall.....	\$ 547 37
Board of Health.....	56 89
Water Department.....	1852 07
Cemeteries.....	535 97
Soldiers' relief.....	293 66
Incidentals .....	1649 18
Balance .....	1124 36
	————— 6059 50

Detailed account of the expenditures for July 4, 1896, as made by the Committee:

## Bonfires.

### Paid :

F. H. Howe.....	\$5 00
C. T. Gwinn.....	4 00
A. D. Mallard.....	3 50
Est. W. G. Brown.....	5 20
S. Goddett.....	3 00
W. Scott.....	1 00
	—————\$ 21 70

## Salute.

Wm. Read & Sons, powder.....	\$11 25
W. E. Lord, flannel.....	1 13
	————— 12 38

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Children's entertainment.....	27 00	
Bicycles prizes.....	25 00	
Parade " .....	25 00	
Running " .....	10 00	
Fireworks.....	126 27	
Music.....	148 75	
Lumber, etc.....	3 90	
	<hr/>	\$ 400 00

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## Street Lamps.

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**Paid :**

John Duprey, care of lights.....	\$550 00	
Dodge & Spiller, oil, chimneys, etc.....	332 68	
Ipswich Gas Co., gas.....	256 35	
Ipswich Gas Co., setting posts.....	20 43	
George B. Brown, iron posts and lanterns	58 50	
J. M. Dunnels, lanterns and repairs.....	16 60	
Charles W. Brown, mantles, etc.....	83 00	
Foster Russell, setting posts.....	16 87	
John W. Goodhue, repairs.....	9 15	
C. F. Wilcox, " .....	7 40	
M. A. Ready, " .....	1 00	
M. Nolan, lantern irons.....	4 75	
Chronicle Pub. Co., proposals.....	75	
F. B. Page, repairs.....	12 00	
	<hr/>	\$1369 48
Appropriation.....	\$1500 00	
Balance .....		130 52
		<hr/>
		\$1500 00

## Fees and Salaries.

### Paid:

William A. Stone, balance salary 1895, Selectman.....	\$ 6 25	
Luther Wait, balance salary 1895, Select- man.....	12 50	
Luther Wait, Selectman.....	125 00	
A. H. Spiller, balance salary 1895, Select- man.....	6 25	
A. H. Spiller, Selectman.....	62 50	
John A. Brown, Selectman.....	58 34	
Luther Wait, balance salary 1895, Asses- sor.....	12 50	
Frederic Willcomb, balance salary 1895, Assessor.....	6 25	
Luther Wait, Assessor.....	125 00	
Frederic Willcomb, Assessor.....	37 50	
John A. Brown, Assessor.....	58 33	
Luther Wait, balance salary 1895, Over- seer.....	12 50	
C. S. Cummings, balance salary 1895, Overseer.....	6 25	
Luther Wait, Overseer of the Poor.....	125 00	
John A. Brown, Overseer of the Poor.....	58 33	
C. S. Cummings, Overseer of the Poor.....	62 50	
	—————	\$ 775 00
Charles W. Bamford, Town Clerk.....	137 50	
Thos. E. Condon, Treasurer and Collector	500 00	
	—————	637 50
T. F. Waters, School Committee.....	75 00	
G. E. Macarthy, M. D., School Committee	75 00	

Harriet E. Noyes, School Committee.....	41	25	
John H. Cogswell, School Committee.....	96	25	
C. S. Cummings, School Committee.....	62	20	
John W. Nourse, School Committee.....	85	55	
			435 75
J. Farley Kinsman, Registrar of voters....	20	00	
Charles H. Glasier, Registrar of voters....	20	00	
Warren Boynton, Registrar of voters.....	20	00	
			60 00
Joseph I. Horton, Auditor 1895.....			40 00
Charles T. Littlefield, Constable, posting warrants.....	5	00	
Frank B. Page, Constable, posting war- rants.....	5	00	
Charles H. Rollins, Constable, posting warrants.....	10	00	
			20 00
Charles T. Littlefield, police service.....	335	75	
Frank B. Page, " " .....	265	00	
Charles H. Rollins, " " .....	284	15	
Wm. H. Brocklebank, " " .....	680	00	
J. Frank Smith, " " .....	34	75	
L. W. Mallard, " " .....	11	25	
John G. Sperling, " " .....	2	25	
Nathaniel H. Lord, " " .....	16	00	
Frank C. Hull, " " .....	208	50	
James A. Lord, " " .....	39	25	
James Sheppard, " " .....	15	75	
W. B. Atkinson, " " .....	56	50	
A. S. Garland, " " .....	68	00	
Charles M. Jewett, " " .....	12	00	
Wm. T. Lewis, " " .....	10	50	
F. M. Jewett, " " .....	9	25	
C. W. Rogers, " " .....	7	75	
F. A. Ross, " " .....	9	00	
			2065 65

James Griffing, Board of Health.....	75 00	
L. W. Mallard,       “       “ .....	50 00	
Geo. W. Smith,       “       “ .....	50 00	
Geo. W. Baker, keeper of lockup.....	45 76	
James W. Bond, Truant Officer 1895.....	10 00	
Timothy B. Ross,       “       “       “ .....	10 00	
		<hr/> 240 76
Frederic Willcomb, moderator.....		10 00
John H. Cogswell, purchasing agent, schools.....		56 25
James Graffum, teller.....	10 00	
James E. Gallagher,       “ .....	10 00	
Val E. Rust,       “ .....	5 00	
Frank C. Hall,       “ .....	5 00	
Chester W. Bamford,       “ .....	10 00	
Charles H. Glazier,       “ .....	5 00	
John E. Norman,       “ .....	5 00	
Frank A. Stackpole,       “ .....	5 00	
James M. Reilly,       “ .....	5 00	
H. Arthur Russell,       “ .....	5 00	
F. F. Byron,       “ .....	5 00	
H. S. Hills,       “ .....	5 00	
Frank R. Daniels,       “ .....	5 00	
Wm. Marshall,       “ .....	5 00	
Wm. P. Reilly,       “ .....	5 00	
Chas. S. Willcomb,       “ .....	5 00	
Wm. H. Rand,       “ .....	5 00	
		<hr/> 100 00
F. F. Byron, ballot clerk.....	5 00	
Nath'l Archer,       “       “ .....	5 00	
Geo. P. Smith,       “       “ .....	10 00	
		<hr/> 20 00



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C. E. Ames, M. D., returning births.....	4 25	
W. E. Tucker, M. D.,       "       " .....	14 50	
	<hr/>	18 75
Total.....		\$4479 66
Appropriations .....		4000 00
		<hr/>
Excess of expenditures.....		479 66

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## Fire Department.

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### Paid :

Engineer services.....	\$	80 75
Masconomet Steamer Co., services..		176 25
Gen. Sutton Hook & Ladder Co., services		195 00
Neptune Hose Co., services.....		119 00
Torrent Engine Co., services.....		120 00
John H. Baker, steward.....		20 00
A. D. Mallard,       " .....		20 00
Ernest Carter,       " .....		11 50
W. H. Brocklebank, " .....		8 50
J. M. Caldwell, forest fire services.....		1 25
H. A. Russell,       "       " .....		1 25
C. E. Goodhue,       "       " .....		1 25
S. H. Gwinn,       "       " .....		50
George Gwinn,       "       " .....		50
Samuel Goodhue,       "       " .....		1 00
Foster Tappan,       "       " .....		1 00
Wm. F. Warner,       "       " .....		3 00
John Andrews,       "       " .....		1 00
Wesley Andrews,       "       " .....		1 00
George Andrews,       "       " .....		1 00

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H. A. Russell, expense to Boston.....	5 20
Charles Gwinn, expressing.....	1 00
E. L. Irving, watching fires.....	75
A. Everett Jewett, watching fires.....	1 00
Chas. W. Bamford, cleaning hose.....	1 50
Chas. W. Canney, " " .....	1 50
George Fall, lumber.....	86
Wm. A. Spiller, repairing hose carriage..	2 25
John Durand, " " " ..	4 50
W. A. Mitchell, hauling hose.....	50
E. N. Brown, wood, oil, etc.....	9 00
Frank Ellsworth, labor at Carter fire....	1 50
Thomas Shaw, " " " ....	1 50
Edward Poole, " " " ....	1 50
Geo. W. Brown, " " " ....	1 50
Est. A. Carter, wood and teaming.....	5 50
T. B. Fall & Son, coal.....	27 48
J. M. Caldwell & Son, coal.....	21 28
A. D. Mallard, teaming and labor.....	7 90
A. C. Damon, curtain.....	25
C. F. Chapman, sundries and repairs.....	2 79
Wm. P. Gould, extra labor.....	2 25
J. E. Norman, " " .....	1 50
C. E. Goodhue, paid freight.....	86
Boston Woven Hose and Rubber Co., hose.....	550 00
Independent Printing Co., notice.....	50
Ipswich Water Dept., hydrant service....	2625 00
John H. Clay, springs and bolts.....	18 90
Sherburne & Co., machine waste.....	2 25
H. A. Russell, repairs.....	75
Jackson's Express.....	75
Wm. E. Barton, painting.....	6 50
Foster Russell, repairs.....	7 83
Chas. E. Smith, " .....	1 68

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J. T. Twisden, wheel jack.....	3 50	
Henry Stevens, services 4th of July.....	2 25	
John H. Baker, " " " .....	2 00	
Thomas E. Condon, sundries.....	35	
A. H. Plouff, sundries.....	1 33	
M. Nolan, repairs.....	1 50	
W. A. Spiller, " .....	1 10	
J. W. Goodhue, sundries.....	5 89	
J. R. Richards, extra time and strap.....	50	
A. P. Hills, oil, etc.....	5 09	
Thomas Boylan, forest fire services.....	1 25	
John E. Dodge, painting ladders.....	1 55	
T. F. Cogswell, lead, oil, etc.....	3 39	
F. B. Page, wheel wrench.....	1 25	
M. Newman, pipe and time, Hose No. 2,	2 65	
Highway Dept., use of horses.....	100 00	
	<hr/>	\$4215 38

**Appropriations :**

Fire Department.....	\$1000 00	
Hydrant service.....	2675 00	
Purchase of hose.....	600 00	
	<hr/>	4275 00
		<hr/>
Balance.....		59 62

# Highways and Bridges.

## District No. 1.

JOSEPH A. HUCKINS, Surveyor.

**Paid :**

J. C. Underhill, gravel.....	\$ 22 00	
Est. W. G. Brown, " .....	90	
Albert S. Brown, " .....	29 80	
Agawam Land Co., " .....	15 00	
Harry Brown, " .....	80	
A. W. Brown, use of cart.....	5 25	
J. C. Underhill, " " .....	1 13	
S. F. Canney, lumber.....	1 44	
T. E. Roberts, building catch basin.....	3 00	
J. W. Goodhue, incidentals.....	4 45	
F. T. Goodhue, hoe.....	30	
Foster Russell, repairs.....	63	
		\$ 84 70
John Doyle, labor.....	60	
James McLaughlin, " .....	22 50	
Jeremiah Sullivan, " .....	23 00	
John R. Patch, " .....	13 40	
Fred Carter, " .....	7 50	
Edward Davis, " .....	6 00	
Warren Girard, " .....	4 00	
John H. Baker, " .....	150 90	
Patrick Doherty, " .....	3 00	
Levi L. Howe, " .....	37 00	
Alfred Norman, " .....	2 80	
Edward Ready, " .....	7 00	
Est. W. G. Brown, " .....	10 00	

S. J. Wakeham,	labor.....	9 00
James B. Scott,	" .....	4 20
James Morey,	" .....	22 00
Nath'l Rust,	" .....	12 60
John Foss,	" .....	15 00
Elmer H. Wiley,	" .....	2 50
George Brown,	" .....	3 40
Alonzo Brown,	" .....	6 30
Frank Stevens,	" .....	5 10
Burton Holland,	" .....	108 60
Daniel Sheehan,	" .....	3 00
Aaron Wells,	" .....	2 00
Frank Goodwin,	" .....	11 00
Clayton M. Jewett,	" .....	25 00
Erastus Clark,	" .....	15 00
Warren Girard,	" .....	4 00
Henry Girard,	" .....	2 00
Fred Fall,	" .....	12 50
Arthur Conant.	" .....	46 60
Sylvester Brown,	" .....	10 00
Ward F. Kenney,	" .....	6 00
Wm. E. Barton,	" .....	4 40
John F. Barton,	" .....	50
G. H. Brocklebank,	" .....	2 80
Chas. G. Poyner,	" .....	1 00
Eugene Girard,	" .....	8 40
Thomas Howe,	" .....	3 40
Michael Young,	" .....	5 40
Wm. Girard,	" .....	3 60
		<hr/> \$ 643 00
		<hr/> 727 70
Less \$200 charged on sidewalk account...		200 00
		<hr/> \$527 70



## District No. 2.

NATHANIEL T. LOWE, Surveyor.

**Paid :**

J. C. Underhill, gravel.....	\$	7	70	
Albert S. Brown, “ .....		3	20	
A. B. Clark, “ .....		20	80	
George Harris, sand.....		70		
M. Nolan, sharpening picks.....		1	60	
				\$ 34 00
N. T. Low, labor.....		145	80	
W. L. Stone, Jr., “ .....		9	80	
Daniel W. Stone, “ .....		11	50	
Nath'l Rust, “ .....		3	50	
Jere. Brocklebank, “ .....		21	20	
Fred Carter, “ .....		6	50	
Irving Brown, “ .....		2	70	
Hale Wait, “ .....			80	
Andrew Searles, “ .....			80	
Fred Rust, “ .....		3	80	
Geo. A. Hodgdon, “ .....		30	50	
James Scott, “ .....		5	90	
Walter Brocklebank “ .....		6	00	
Edward Spiller, “ .....		12	00	
Charles W. Smith, “ .....		10	00	
Charles S. Jewett, “ .....		12	00	
H. A. Churchill, “ .....		5	50	
T. B. Fall, “ .....		25	00	
A. W. Conant, “ .....		7	60	
Wm. P. Ross, “ .....		10	00	
Smith E. Hayes, “ .....		1	40	
				332 30
				\$366 30

# District No. 3.

ALLEN W. BROWN, Surveyor.

**Paid :**

Albert S. Brown, gravel.....	\$	9	88	
John S. Glover, cement.....		1	40	
John W. Goodhue, axe.....		1	25	
Foster Russell, stock and labor.....		1	90	
F. T. Goodhue, hoe, etc.....		1	00	
	-----	\$	15	43
James Scott, labor.....		4	40	
Walter F. Gould, " .....		42	00	
A. W. Brown, " .....		154	76	
James Hull, " .....		2	00	
John Cronin, " .....		1	00	
Jere. Sullivan, " .....		20	00	
William Jewett, " .....		1	00	
James B. Scott, " .....		2	20	
Michael Young, " .....		4	00	
Albert Leet, " .....		1	00	
John Gould, " .....		7	00	
Alfred Young, " .....		7	00	
John Campbell, " .....		21	80	
Frank Campbell, " .....		8	80	
Isaac Foss, " .....		7	50	
Gustavus Kinsman " .....		9	50	
Edmund Ready, " .....		1	00	
	-----		294	96
				-----
				\$310 39

# District No. 4.

AUGUSTINE STONE, Surveyor.

**Paid :**

Alden Story, gravel.....	\$	1	00
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Augustine Stone, gravel.....	11. 40	
Asa R. Brown,       “ .....	5 00	
James Graffum, sundry repairs .....	65	
	<u>          </u>	\$ 18 05
Augustine Stone, labor.....	31 90	
John Galbraith,       “ .....	31 50	
Alden Story,       “ .....	39 30	
Horace Brown,       “ .....	30 50	
Fred Carter,       “ .....	4 00	
J. F. Kinsman,       “ .....	36 60	
	<u>          </u>	173 80
		<u>          </u>
		\$191. 85

## District No. 5.

EVERETT K. BROWN, Surveyor.

### Paid :

George L. Woodbury, gravel.....	\$ 1 40	
Asa R. Brown,       “ .....	7 00	
	<u>          </u>	\$ 8 40
George Smith, labor.....	18 00	
Charles Patch,       “ .....	15 00	
H. H. Story,       “ .....	16 00	
E. K. Brown,       “ .....	20 00	
J. B. Caverly,       “ .....	18 00	
George Woodbury, “ .....	14 00	
Frank Smith,       “ .....	14 00	
Jason Ellsworth,   “ .....	2 80	
	<u>          </u>	117 80
		<u>          </u>
		\$126 20

## District No. 6.

J. W. CARLISLE, Surveyor.

**Paid :**

J. W. Carlisle, gravel.....	\$ 16 60	
Albert S. Brown, " .....	5 80	
S. F. Canney, lumber.....	3 01	
	<u>          </u>	\$ 25 41
J. W. Carlisle, labor.....	41 80	
W. J. Horton, " .....	14 00	
Eben Moulton, " .....	29 50	
T. M. Norman, " .....	24 00	
John M. Fall, " .....	10 00	
Francis Goodwin, " .....	4 00	
Frank Taylor, " .....	4 00	
Chas. G. Brown, " .....	21 50	
Samuel Gordon, " .....	3 50	
M. Whittier, " .....	2 20	
	<u>          </u>	154 50
		<u>          </u>
		\$179 91

## District No. 7.

E. NEWTON BROWN, Surveyor.

**Paid :**

E. N. Brown, gravel.....	\$	16 60
E. N. Brown, labor.....	54 95	
Fred G. Cross, " .....	53 73	
A. Story Brown, " .....	38 05	
Jesse Whipple, " .....	2 46	
Benj. R. Horton, " .....	21 20	
Mannasseh Brown, " .....	8 00	
	<u>          </u>	178 39
		<u>          </u>
		\$194 99

## District No. 8.

ALONZO B. FELLOWS, Surveyor.

**Paid :**

A. B. Fellows,	labor.....	\$ 48 65	
J. E. Fellows,	" .....	15 00	
S. M. Haskell,	" .....	17 50	
J. H. Brown,	" .....	9 10	
D. W. Appleton,	" .....	8 10	
George Tibbetts,	" .....	7 30	
		————	105 65

## District No. 9.

JOSEPH R. WILSON, Surveyor.

**Paid ;**

J. R. Wilson,	gravel.....	\$ 4 70	
Albert S. Brown,	" .....	8 60	
George Fall,	lumber.....	1 75	
James Graffum,	repairs, etc.....	11 00	
		————	\$ 26 05
Aaron Lord,	labor.....	51 50	
Wm. B. Sturgis,	" .....	18 20	
J. O. Smith,	" .....	4 40	
Frank Taylor,	" .....	2 40	
Isaac Buzzell,	" .....	14 00	
Albert S. Brown,	" .....	57 50	
Edmund Ready,	" .....	4 00	
David Lowe,	" .....	4 00	
J. R. Wilson,	" .....	84 30	
		————	240 30
			————
			\$266 35



## District No. 10.

EUGENE SULLIVAN, Surveyor.

**Paid :**

Eugene Sullivan, gravel.....	\$ 21 92	
Allen W. Brown, " .....	42	
Agawam Land Co., " .....	3 84	
Edward Akerman, incidentals.....	10	
	—————	\$ 26 28
Sydney Woodworth, labor.....	80	
James Ready, " .....	10 20	
Wm. Girard, " .....	5 00	
Joseph Martell, " .....	16 00	
Telesphos Boulier, " .....	12 20	
Wesley Andrews, " .....	80	
Wm. Goodhue, " .....	25 50	
Peter Quill, " .....	10 00	
Eugene Sullivan, " .....	154 25	
Seth Senior, " .....	1 20	
Wm. Brennan, " .....	7 40	
Alfred Young, " .....	5 50	
Thomas Boylan, " .....	15 20	
Wm. Warner, " .....	13 50	
	—————	277 55
		—————
		\$303 83

## District No. 11.

THOMAS R. LORD, Surveyor.

**Paid :**

James Sheppard, gravel.....	\$ 2 60
Stephen Jewett, " .....	4 40
N. R. Underhill, " .....	7 10
T. H. Gwinn, " .....	5 30

Akerman & Conant, incidentals.....	40	
T. F. Cogswell, drain pipe.....	7 04	
Thomas H. Lord, sundries.....	1 00	
	<u>          </u>	\$ 26 84
W. F. Burnham, labor.....	12 40	
W. F. Ellsworth, " .....	16 80	
James Sheppard, " .....	28 00	
Fred Carter, " .....	1 40	
J. W. Burns, " .....	9 80	
Thos. Marriott, " .....	4 80	
Robert Bodycott, " .....	4 30	
Edward Geyer, " .....	80	
Eben Lord, " .....	2 00	
Dennis Bryant, " .....	4 50	
Joseph Leno, " .....	3 60	
N. R. Underhill, " .....	11 60	
W. K. Chapman, " .....	4 05	
T. H. Gwinn, " .....	6 80	
E. S. Greenleaf, " .....	7 00	
A. H. Rutherford, " .....	2 80	
Dexter McIntire, " .....	3 20	
Philip Kimball, " .....	1 20	
Spencer Gwinn, " .....	1 85	
Thos. R. Lord, " .....	43 05	
	<u>          </u>	170 95
		<u>          </u>
		\$ 197 79

## District No. 12.

J. COGGIN CONANT, Surveyor.

### Paid :

Wm. Garrette, gravel.....	\$ 3 96	
C. R. Titcomb, " .....	10 68	
T. F. Cogswell, drain pipe.....	5 40	
	<u>          </u>	\$ 20 04

Wm. H. Lavalette, labor.....	16 15	
M. G. Phillips, " .....	2 00	
Geo. H. Phillips, " .....	3 80	
J. S. Spiller, " .....	3 50	
A. J. Phillips, " .....	4 75	
W. C. Frost, " .....	2 00	
J. C. Conant, " .....	29 25	
D. G. Chapman, " .....	16 50	
C. W. Conant, " .....	10 50	
Lewis R. Stone, " .....	4 10	
W. O. Conant, " .....	11 75	
Newman Saunders, " .....	7 00	
	<hr/>	111 30
		<hr/>
		\$ 131 34

## District No. 13.

JAMES KINNEAR, Surveyor.

### Paid ;

James Kinnear, gravel.....	\$ 14 96	
George Fall, lumber.....	1 75	
S. F. Canney, " .....	5 89	
J. W. Goodhue, sundries.....	1 00	
	<hr/>	\$ 23 60
James Kinnear, labor.....	44 80	
Thomas Kinnear, " .....	8 60	
Adam G. Lauer, " .....	14 00	
D. S. Perley, " .....	20 00	
Walter Farnum, " .....	8 00	
J. C. Underhill, " .....	22 00	
Lewis R. Stone, " .....	4 20	
A. T. Guilford, " .....	2 20	
	<hr/>	123 80
		<hr/>
		\$147 40

## District No. 14.

CHARLES M. PERLEY, Surveyor.

**Paid :**

Abel S. Howe, gravel.....	\$	4	26	
G. K. Farnum, " .....		2	64	
Orrie M. Hills, " .....		1	08	
A. G. Lauer, " .....			42	
				\$ 8 40
Clarence Howe, labor.....		17	50	
L. H. Perley, " .....		5	00	
Abel S. Howe, " .....		5	10	
C. M. Perley, " .....		49	80	
A. G. Lauer, " .....		7	50	
Walter Farnum, .....		3	00	
G. K. Farnum, " .....		3	50	
				91 40
				<u>\$99 80</u>

## District No. 15.

JOHN A. SMITH, Surveyor.

**Paid :**

Edward Dole, gravel.....	\$	16	00	
N. R. Underhill, " .....		4	00	
J. C. Underhill, " .....		2	60	
S. F. Canney, lumber.....		1	90	
				\$ 24 50
John A. Smith, labor.....		120	25	
James P. Jewett, " .....		2	00	
W. P. Pickard, " .....		2	00	
Joseph Chaput, " .....		22	00	
Peter Durand, " .....		13	00	
Willard Harris, " .....		10	00	

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Clayton M. Jewett, “	.....	10 00	
Wm. Ready, “	.....	3 00	
Epes Norwood, “	.....	3 00	
Edward Ready, “	.....	5 00	
George Lord, “	.....	3 00	
Frank Smith, “	.....	1 50	
George Day, “	.....	16 00	
John A. Brown, “	.....	10 00	
James Ready, “	.....	11 00	
Ellsworth Walton, “	.....	1 60	
			233 35
			<hr/>
			\$257 85

## District No. 16.

WILLIAM A. MITCHELL, Surveyor.

**Paid :**

John W. Nourse, gravel.....		\$ 9 80	
T. R. Lord, labor.....	1 00		
W. A. Mitchell, “ .....	57 15		
L. D. Pickard, “ .....	12 85		
John Bradstreet, “ .....	2 50		
Michael Donahue, “ .....	60		
Thomas Donahue, “ .....	3 00		
Thomas Moore, “ .....	5 00		
John B. Mitchell, “ .....	11 25		
John A. Brown, “ .....	18 00		
John H. Baker, “ .....	7 40		
James Dillon, “ .....	7 20		
A. Everett Jewett, “ .....	9 80		
John C. Forbes, “ .....	90		
A. H. Rutherford, “ .....	2 40		
			139 05
			<hr/>
			\$148 85



## Prospect Street.

### Paid :

T. F. Cogswell, drain pipe.....	\$ 50 16
Albert Tenney, teaming.....	75
George Fall, lumber.....	8 50
S. F. Canney, " .....	17 21
J. W. Goodhue, nails.....	89
Foster Russell, building fence.....	23 75
Albert S. Brown, gravel.....	4 56
C. F. Jordan, sharpening drills.....	11 15
James B. Scott, labor and material.....	68 35
David Lowe, labor.....	50 00
John H. Baker, " .....	44 00
James Griffing, " .....	61 75
George W. Plouff, " .....	8 80
Smith E. Hayes, " .....	45 40
Charles W. Spiller, " .....	30 40
John Campbell, " .....	63 60
H. F. Girard, " .....	34 60
F. A. Gove, " .....	7 00
James Scott, " .....	36 60
Burton Holland, " .....	18 40
Harry Simmons, " .....	33 00
Clayton M. Jewett, " .....	30 00
Allen W. Brown, " .....	141 50
Wm. H. Jewett 2d, " .....	41 60
Patrick Doherty, " .....	60
S. J. Wakeham, " .....	4 00
J. A. Morey, " .....	18 00
Fred Carter, " .....	7 50
Nath'l T. Lowe, " .....	37 50
Walter Scott, " .....	2 00
Frank Campbell, " .....	2 00
T. B. Fall & Son, " .....	5 00

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Edmund Ready, labor.....	2 00
Town Team, " .....	67 50
James H. Hull, painting.....	18 13
C. F. Wilcox, stock.....	7 50
John W. Plouff, tending lights.....	50
	————\$1004 20

## Road Near Frank Stackpole's.

### Paid :

John Campbell, labor.....	\$20 00
Frank Campbell, " .....	12 00
Michael Young, " .....	14 00
Alfred Young, " .....	11 00
John Thibadeau, " .....	10 00
Allen W. Brown, " .....	34 04
Town Team, " .....	25 00
Clayton M. Jewett, " .....	2 50
Gustavus Kinsman, " .....	12 50
Albert S. Brown, gravel.....	8 96
	————\$ 150 00

## Market Street Sewer.

### Paid :

Austin Lord, per contract.....	\$480 00
Austin Lord, teaming covering stones.....	17 50
	———— \$497 50

## Sidewalks and Gutters.

### Paid :

Thomas P. Thomas, concreting.....	\$1366 05
Barton & Williams, curbing.....	326 38
District No. 1, for sidewalks.....	200 00
	————\$1892 43

## Miscellaneous Jobs.

### Paid :

Thomas H. Lord, groceries, etc.....	\$ 8 47
James Graffum, repairs, drags, etc.....	20 12
Jackson's Express, parts for machine.....	1 35
J. W. Goodhue, sundries.....	8 60
Akerman & Conant, sharpening picks.....	20
Geo. H. Brocklebank, repairs Choate's bridge.....	45 98
J. S. Glover, cement Choate's bridge.....	7 90
M. Nolan, iron work Choate's bridge.....	2 40
Foster Russell, labor Choate's bridge.....	7 50
F. T. Goodhue, sundries.....	1 25
Geo. W. Tyler, parts for machine.....	8 50
C. F. Jordan, repairs on machine.....	3 75
Burdett & Williams, metal tape.....	3 00
Dodge & Spiller, shovels.....	3 00
J. B. Scott, labor on trees.....	3 00
M. Nolan, repairs, chains, etc.....	9 00
W. A. Spiller, wooden horses and rails....	4 25
C. H. Rollins, labor and material, County street bridge.....	4 30
Austin Lord, building catch basins.....	52 79
A. W. Conant, opening sewer.....	2 00
W. H. Burnham, labor Choate's bridge...	25 50
James H. Hull, painting railings.....	11 12
C. F. Wilcox, paint for " .....	6 08
S. F. Canney, lumber for Canal bridge.....	12 45
Edward W. Choate, labor " .....	4 00
J. S. Glover, cement for catch basins.....	3 00
T. F. Cogswell, sewer pipe.....	63 69
C. E. & J. A. Brown, bricks for catch basins	25 65
B. & M. Railroad, iron " " "	2 68
A. C. Damon, sled.....	37 50

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Edmund Ready, labor on cesspool.....	7 00
John Campbell,       "       "       "       .....	7 00
Benj. Smith,         "       "       "       .....	2 00
Alfred Young,        "       "       "       .....	1 00
Allen W. Brown,     "       "       "       .....	7 00
Samuel White, labor.....	1 80
C. F. Wilcox, hoe and shovels.....	3 30
F. B. Page, grates, sharpening picks, etc..	33 30
John Durand, iron work.....	1 60
Tyler Caldwell, sand.....	1 56
Luther Lord, labor.....	2 00
	<hr/> \$ 456 59

## Town Team.

### Paid :

Joseph A. Huckins, driver.....	\$550 00
H. S. Harris & Co., horse.....	127 50
Expense Selectmen, buying horse.....	30
B. & M. Railroad, freight on horse.....	3 00
J. W. Carlisle, use of horse.....	9 00
Est. W. G. Brown, use of horse.....	4 50
Est. W. G. Brown, burying horse.....	2 00
C. M. Jewett, grain.....	40 33
Geo. B. Brown,       "       .....	65 92
J. C. Underhill,     "       .....	1 83
Alden Story, hay.....	72 30
J. B. Caverly,       "       .....	16 85
N. R. Underhill,    "       .....	14 15
Town Farm,         "       .....	20 00
E. F. Manning, veterinary service.....	11 00
C. F. Chapman, bridles, furnishings, etc..	37 65
T. D. Gould, carrots.....	1 25
J. M. Caldwell & Son, coal.....	8 30
C. F. Jordan, shoeing and repairs.....	2 65
Akerman & Conant, shoeing and repairs	3 00

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M. Nolan, shoeing and repairs.....	32	90
Dodge & Spiller, barrel and sundries.....	2	34
A. Norman, repairs.....	1	50
W. A. Spiller, repairs on cart.....	1	25
Geo. W. Spiller, painting cart.....	5	00
Foster Russell, repairs at stable.....	9	47
John W. Goodhue, sundries.....	9	11
A. H. Plouff, sundries and repairs.....	21	30
John Fannon, pump.....	2	00
A. D. Wells, labor on well.....	2	10
A. P. Hills, sulphur.....		60
C. F. Wilcox, paint, tools, etc.....	7	53
S. F. Canney, lumber.....	2	63
C. H. Rollins, pointing wall.....	6	00
Ebin R. Smith, witch hazel.....	1	25
	<hr/> \$1096 51	

## Recapitulation.

### Expenditures :

District No. 1.....	\$ 527	70
District No. 2.....	366	30
District No. 3.....	310	39
District No. 4.....	191	85
District No. 5.....	126	20
District No. 6.....	179	91
District No. 7.....	194	99
District No. 8.....	105	65
District No. 9.....	266	35
District No. 10.....	303	83
District No. 11.....	197	79
District No. 12.....	131	34
District No. 13.....	147	40
District No. 14.....	99	80
District No. 15.....	257	85



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District No. 16.....	148 85
Prospect street.....	1004 20
Road near F. Stackpole's.....	150 00
Market street sewer.....	497 50
Sidewalks and gutters.....	1892 43
Miscellaneous jobs.....	456 59
Town Team.....	1096 51
	<hr/> \$8653 43

**Receipts :**

Regular appropriations.....	\$6000 00
Sidewalks and gutters.....	2000 00
Prospect street.....	1000 00
Market and Mineral streets.....	500 00
Road near F. Stackpole's.....	150 00
Town team outside District 1.....	92 50
From Worcester Construction Co.....	75 00
Fire Dept., use of town team.....	100 00
Reimbursed on account of curbing and concrete.....	70 40
Dirt from highway.....	10
Cash from error.....	1 00
	<hr/> 9989 00
Balance for snow account.....	<hr/> \$1335 57

**Snow Account.****DISTRICT No. 1.****Paid :**

John R. Patch,	labor.....	\$12 40
James McLaughlin,	" .....	3 40
Smith E. Hayes,	" .....	5 50
Dennis Minnehan,	" .....	1 20
James Griffing,	" .....	27 00
T. R. Lord,	" .....	22 60

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F. A. Carter,	labor.....	15 30
Edward Geyer,	“ .....	1 40
Michael Laffy,	“ .....	4 40
Wm. Jewett,	“ .....	20
S. J. Wakeham,	“ .....	8 00
John Doyle,	“ .....	6 20
Jeremiah Sullivan,	“ .....	5 00
Ernest Carter,	“ .....	4 00
Charles Spiller,	“ .....	2 40
Lemuel Parsons,	“ .....	40
Alfred Norman,	“ .....	7 00
Charles Noyes,	“ .....	40
George Poole,	“ .....	1 00
J. C. Underhill,	“ .....	90
George Fall,	“ .....	8 00
Est. W. G. Brown,	“ .....	8 40
Wm. H. Girard,	“ .....	1 60
E. M. Girard,	“ .....	1 20
John H. Baker,	“ .....	1 40
John Eli,	“ .....	60
John H. Foss,	“ .....	1 20
Burton Holland,	“ .....	50
Edward Davis,	“ .....	4 00
Howard K. Andrews,	“ .....	2 60
A. W. Brown,	“ .....	3 00
W. F. Ellsworth,	“ .....	1 40
		—————\$ 162 60

## DISTRICT No. 2

## Paid :

Nathaniel Rust,	labor.....	\$ 80
Nathaniel T. Low,	“ .....	23 45
W. L. Stone Jr.,	“ .....	3 10
D. W. Stone,	“ .....	1 00
Irving Brown,	“ .....	2 05

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Walt Brocklebank, labor.....	2 20
William Claxton, " .....	1 00
Frank LeFave, " .....	1 20
H. A. Churchill, " .....	1 60
Robert Gove, " .....	40
Wm. H. Burnham, " .....	1 70
Frank C. Hull, " .....	70
Jere. Brocklebank, " .....	1 30
Fred Rust, " .....	90
James Scott, " .....	60
George Dore, " .....	50
Chas. S. Jewett, " .....	35
Archur Montgomery, " .....	1 00
Edwin A. Spiller, " .....	2 15
Fred Fall, " .....	40
Amos Scotton, " .....	40
George A. Scotton, " .....	40

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47 20

## DISTRICT No. 3.

**Paid :**

Allen W. Brown, labor.....	\$47 10
John Pear, " .....	6 80
Herbert Witham, " .....	2 00
Alfred Young, " .....	4 60
John Cronin, " .....	2 80
John Harris, " .....	4 00
Daniel Witham, " .....	1 00
Harry Girard, " .....	1 00
Wm. Girard, " .....	1 00
James H. Hull, " .....	1 00
Robert Gove, " .....	2 00
Frank Gove, " .....	1 00
Frank Campbell, " .....	2 80
Chesley P. Grant, " .....	2 00

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Albert Jodrey,	labor.....	4 60	
Charles Small,	" .....	3 00	
Michael Young,	" .....	3 00	
Rassie Finald,	" .....	3 00	
Wm. Barton,	" .....	3 00	
Willie Witham,	" .....	1 00	
W. B. Atkinson,	" .....	1 40	
Wm. Jewett,	" .....	1 00	
John Dorr,	" .....	1 00	
		<hr/>	100 10

## DISTRICT No. 4.

**Paid :**

J. F. Kinsman,	labor.....	\$9 60	
Augustine Stone,	" .....	4 80	
James Scott,	" .....	2 30	
Horace Brown,	" .....	2 70	
Alden Story,	" .....	4 60	
John Galbraith,	" .....	5 40	
Eugene Girard,	" .....	80	
Henry F. Girard,	" .....	80	
		<hr/>	31 00

## DISTRICT No. 5.

**Paid :**

J. B. Brown,	labor.....	\$1 60	
Geo. Woodbury,	" .....	2 40	
G. L. Woodbury,	" .....	3 40	
J. B. Caverly,	" .....	1 00	
Alvin Story,	" .....	60	
Geo. E. Smith,	" .....	1 60	
Charles Patch,	" .....	2 80	
Asa R. Brown,	" .....	1 40	
E. K. Brown,	" .....	2 40	
		<hr/>	17 20

## DISTRICT No. 6.

## Paid :

Jewett Wakeham, labor.....	\$ 80	
Frank Sheehan, " .....	5 60	
J. W. Carlisle, " .....	28 00	
Francis Goodwin, " .....	9 80	
John M. Fall, " .....	2 20	
Frank Taylor, " .....	3 60	
John Houlton, " .....	7 80	
Wm. G. Horton, " .....	35 60	
Eben Moulton, " .....	3 60	
W. F. Kinsman, " .....	11 40	
T. M. Norman, " .....	11 60	
Samuel Gordon, " .....	3 00	
Maynard Whittier, " .....	3 00	
Charles Buzzell, " .....	60	
John Parsons, " .....	60	
W. B. Sturgis, " .....	3 20	
Enos Manthorn, " .....	1 80	
Joseph Marshall, " .....	2 60	
Charles Brown, " .....	5 40	
Wm. Tarr, " .....	1 00	
Wm. Girard, " .....	6 60	
Eugene Girard, " .....	2 00	
Harry Girard, " .....	2 00	
		151 80

## DISTRICT No. 7.

## Paid ;

A. Story Brown, labor.....	\$ 9 40	
Fred G. Cross, " .....	14 49	
Arthur Kinsman, " .....	4 37	
E. N. Brown, " .....	7 80	
B. R. Horton, " .....	5 20	
		41 26



## DISTRICT No. 8.

**Paid :**

John H. Brown,	labor.....	\$15 70	
A. B. Fellows,	" .....	11 80	
D. W. Appleton,	" .....	8 80	
Ralph Haskell,	" .....	6 40	
George Tibbetts,	" .....	6 40	
H. H. Wall,	" .....	2 80	
			<hr/>
			51 90

## DISTRICT No. 9.

**Paid :**

J. Oliver Smith,	labor.....	\$ 1 60	
John Parsons,	" .....	1 60	
Charles Buzzell,	" .....	1 60	
Wm. B. Sturgis,	" .....	5 40	
Aaron Lord,	" .....	7 20	
Albert S. Brown,	" .....	40	
Maynard Whittier,	" .....	14 50	
Joseph Wilson,	" .....	5 60	
			<hr/>
			37 90

## DISTRICT No. 10.

**Paid :**

Michael Laffy,	labor.....	\$ 1 40	
J. C. Underhill,	" .....	26 40	
J. M. Purinton,	" .....	2 80	
Wm. Goodhue,	" .....	4 46	
			<hr/>
			35 06

## DISTRICT No. 11.

**Paid :**

Thomas R. Lord,	labor.....	\$9 70	
Dexter McIntyre,	" .....	2 90	
Eben Lord,	" .....	2 80	
F. O. Hart,	" .....	3 20	

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W. F. Ellsworth,	labor.....	5 00	
James Sheppard,	“ .....	2 50	
James W Burns,	“ .....	1 60	
Joseph Leno,	“ .....	1 70	
Thomas D. Gould,	“ .....	40	
W. F. Burnham,	“ .....	1 00	
W. A. Burnham,	“ .....	80	
Geo. McIntyre,	“ .....	60	
Robert Bodycott,	“ .....	80	
N. R. Underhill,	“ .....	1 30	
Philip Kimball,	“ .....	1 10	
T. A. Howe,	“ .....	1 40	
Ambrose Young,	“ .....	1 40	
Sawyer Burnham,	“ .....	60	
Wm. H. Bodwell,	“ .....	60	
Thomas Jewett,	“ .....	1 20	
Daniel Howe,	“ .....	60	
Fred Sheppard,	“ .....	70	
George Palley,	“ .....	70	
		<hr/>	42 60

## DISTRICT No. 12.

**Paid :**

John S. Spiller,	labor .....	\$1 00	
J. Coggin Conant,	“ .....	6 60	
W. H. Lavalette,	“ .....	75	
Daniel G. Chapman,	“ .....	6 00	
Cyrus W. Conant,	“ .....	5 00	
		<hr/>	19 35

## DISTRICT No. 13.

**Paid :**

D. Sydney Perley,	labor.....	\$8 70	
James Kinnear,	“ .....	3 00	
		<hr/>	11 70

## DISTRICT No. 14.

## Paid :

Charles M. Perley, labor.....	\$2 60	
Lyman Perley, " .....	90	
		<u>3 50</u>

## DISTRICT No. 15.

## Paid :

Charles Jewett, labor.....	\$28 10	
George Harris, sand.....	2 00	
Fred Noyes, labor.....	2 70	
Geo. Rutherford, " .....	1 00	
Edward Bodwell, " .....	1 60	
Wm. Ready, Jr., " .....	80	
Joseph Chaput, " .....	2 50	
John Ready, " .....	40	
Joseph Martell, " .....	1 20	
John A. Smith, " .....	7 60	
J. B. Mitchell, " .....	3 00	
Edw. H. Smith, " .....	2 90	
Eugene Hills, " .....	2 70	
Frank Scotton, " .....	70	
		<u>57 20</u>

## DISTRICT No. 16.

## Paid :

James Burns, labor.....	\$1 80	
Thos. Marriott, " .....	2 60	
James Sheppard, " .....	80	
Thos. Donahue, " .....	1 20	
Wm. A. Mitchell, " .....	2 00	
		<u>8 40</u>
Total snow account.....		818 77
Balance from highway account.....		1335 57
		<u>\$516 80</u>
Unexpended balance.....		

## Town Team in Account with Town.

### DR.

To care of horses, (driver).....	\$550 00	
feed of horses.....	232 63	
shoeing horses.....	38 55	
repairs.....	37 65	
veterinary services.....	11 00	
buying horse.....	127 50	
freight on horse.....	3 00	
paid for use of horse.....	4 50	
sundry other expenses account of stable.....	91 68	
	<u>          </u>	\$1096 51

### CR.

By amount received from Fire Dept.....	\$ 100 00	
amount received outside work.....	92 50	
213½ days work in District No. 1....	1067 50	
	<u>          </u>	1260 00
Balance in favor of team.....		<u>          </u> \$163 49

## Poor Account.

### Rent.

#### Bills Allowed :

T. B. Ross.....	\$ 47 25
Ezra Merrill.....	44 00
John Gregory.....	40 00
Sophia Nourse.....	55 00

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C. M. Jones.....	55 00	
James W. Bond.....	96 00	
D. A. Grady.....	5 00	
Nellie W. Augur.....	22 00	
John A. Brown.....	28 00	
Est. W. G. Brown.....	140 59	
Theo. F. Cogswell.....	77 00	
Stephen Jewett.....	66 00	
Susan Wait.....	20 00	
Chas. W. Spiller.....	5 00	
Peter Mathien.....	4 00	
		—————\$ 704 84

### Fuel.

Est. Austin Carter.....	\$54 00	
J. C. Underhill.....	23 30	
	—————	77 30
John S. Glover, coal.....	38 65	
J. M. Caldwell & Son, “ .....	3 29	
T. B. Fall & Son, “ .....	11 33	
A. H. Peatfield, “ .....	60 08	
	—————	113 35
Thomas H. Lord, groceries.....	8 00	
Nath'l Burnham, “ .....	86 58	
Nathan L. Blaisdell, “ .....	20 00	
Curtis Damon & Co., “ .....	22 32	
F. T. Goodhue, “ .....	101 24	
Geo. H. Dixon, “ .....	10 00	
Wm. Richards, “ .....	4 00	
Samuel Gordon, milk.....	3 60	
W. S. Russell, dry goods.....	4 00	
W. E. Lord, “ .....	3 01	
I. E. B. Perkins, rubbers.....	30	
B. & M. Railroad, fares poor travellers...	2 10	
F. B. Page, account poor travellers.....	50	



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J. F. Spinney, lodging poor travellers.....	2 00
Bernard H. Scahill, lodging poor travellers	5 25
L. Ricker, board of Grose child.....	65 07
L. Ricker, " " Reardon child.....	4 00
A. B. Wall, " " Carpenter child.....	96 00
J. J. Andrews, " " son.....	88 00
J. K. Chapman, " " " .....	40 00
Kate Jeärey, account of Bradford.....	4 00
Annie Dole, " " Salisbury.....	54 00
Anna B. Wall, " " Needham.....	44 00
Rozilla Hobson, allowance from town....	95 26
C. E. Ames, M. D., per contract.....	110 83
C. E. Ames, M. D., extra work including surgical operations, births, removing sick to Tewksbury and Danvers, etc..	97 00
W. H. Clark, M. D., attendance J. Poyner	3 00
E. R. Smith, cod liver oil, Cheever.....	1 15
E. F. Brown, malted milk and bottle, J. Poyner .....	1 05
Jackson Express Co., anti-toxine.....	3 15
Mrs. Nathan Jewett, nursing A. B. Wall	17 50
Mrs. Joseph Brogan, " "	1 50
Mrs. B. L. Ames, " "	10 93
Caroline E. Pickard, " Mrs. J. Rutherford .....	9 00
Luther Wait, expense to Boston, Reardon child .....	3 10
Luther Wait, expense to Newburyport and Salem, Dole, Barton and Peckham....	4 85
Aug. H. Spiller, expenses to North Ando- ver.....	1 80
Geo. W. Baker, care of tramps.....	118 80
Thos. E. Condon, food for tramps.....	37 96
George Haskell, burial of C. Holtum.....	23 00
Mary Ralph, nursing at Warner's.....	30 00

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Mrs. Chadbourne, allowance for glasses..	5 00
David A. Grady, horse hire.....	10 00
Warren Boynton, rent, board, etc., Lynch case .....	27 36
Ebin R. Smith, medicine, Lynch case.....	15 15
Geo. A. Hodgdon, milk, " " .....	4 68
H. J. Rust, nurse, " " .....	40 00
L. E. Fowler, " " " .....	40 00
Mrs. Geo. H. Tenney, watching, Lynch case .....	1 50
Thos E. Condon, groceries, Chadbourne case .....	10 00
G. W. Tozer, provisions, Chadbourne case	1 84
W. A. Mitchell, milk, " " .....	6 00
Ebin R. Smith, medicines, " " .....	4 00
Mary Ralph, nurse at Landry's.....	21 00
P. E. Clark, burial of Mrs. Rutherford and Poyner child.....	46 50
J. F. Claxton, furnishing meals.....	1 50
	<hr/> \$1472 38

### Poor in Other Towns.

Danvers Hospital, board of Royal and Jean.....	\$134 18
Salem Hospital, board of Kinnear and Currier .....	122 00
City of Salem, supplies to Mrs. Barker....	42 87
City of Gloucester, supplies to Gerring and Lewis.....	177 70
Town of Rowley, supplies A. F. Peabody	105 65
	<hr/> 582 40
Total payments.....	\$2950 27
Received from Commonwealth.....	\$ 33 72
Received from city of Boston.....	89 47

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Received from city of Salem.....	48 00
Received from city of Lynn.....	32 90
Received from city of Gloucester.....	44 34
Received from the city of Beverly.....	74 23
Received from town of Rowley.....	34 00
Received from city of Lawrence.....	3 00
Received from town of Needham.....	219 70
Received from town of Salisbury.....	60 00
Received from town of Bradford.....	4 00
Received from town of Topsfield.....	30 00
Received from D. B. Rollins.....	14 26
	<hr/> \$ 687 62

Due from Commonwealth.....	\$196 49
Due from city of Boston.....	8 37
Due from city of Salem.....	32 75
Due from city of Lynn.....	15 38
Due from city of Gloucester.....	20 00
Due from town of Rowley.....	7 84
Due from town of Topsfield.....	10 00
	<hr/> 290 83

Balance being expense of poor off the Farm	1971 82
	<hr/> \$2950 27

Appropriation.....	\$2000 00
Cost of poor.....	1971 82
Balance.....	<hr/> \$ 28 18

Number of families in town receiving aid during the year and who have a settlement here.....	14
Number of persons in said families.....	26
Number of families in town assisted who have no settle- ment here.....	14
Number of persons in said families.....	34
Number of families residing in other towns who have been aided by the town.....	5
Number of persons in said families.....	12

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Number sent to Danvers and Salem Hospitals.....	4
Number at present time receiving aid :	
Residents living in town.....	19
Residents living in other towns.....	11
Residents of other towns.....	16
At Danvers Asylum.....	1

## Town Farm.

### Bills Allowed :

Proulx & Co.,	groceries.....	\$ 18 08
Thos. H. Lord,	“ .....	49 39
Chas. W. Hayes,	“ .....	48 28
Curtis Damon & Co.,	“ .....	90 14
Geo. H. Haskell,	“ .....	27 25
Nath'l Burnham,	“ .....	25 89
Albert P. Hills,	“ .....	159 70
Hart & Lord,	“ .....	7 79
Dodge & Spiller,	“ .....	64 74
H. H. Wildes,	“ .....	29 09
Geo. H. Dixon,	“ .....	16 05
N. J. Bolles,	“ .....	23 73
L. E. Willcomb,	“ .....	28 06
Thos. E. Condon,	“ .....	27 45
N. L. Blaisdell,	“ and provi-	
	sions.....	74 85
F. T. Goodhue,	groceries and sundries.....	39 50
J. A. Laffy,	provisions.....	28 59
Geo. W. Tozer,	“ .....	53 30
J. W. Perkins,	“ .....	35 83
Wm. Richards,	“ .....	25 45
Geo. H. Green,	“ .....	52 07
W. S. Atkinson,	fish.....	39 17
Rust & Grant,	“ .....	5 57
E. J. Grant & Son,	“ .....	10 83
Geo. B. Brown,	flour.....	50 00



Geo. B. Brown, grain.....	513	22	
Clayton M. Jewett, grain.....	15	43	
			————\$1559 45
James A. Tucker, boots and shoes.....	12	29	
Edwin T. Pike, “ “ .....	17	35	
I. E. B. Perkins, “ “ .....	17	25	
			————46 89
A. C. Damon, beds, bedding, matting, etc	35	24	
C. W. Bamford, dry goods.....	2	38	
W. S. Russell, “ .....	20	74	
W. E. Lord, “ .....	7	31	
S. N. Baker, clothing.....	39	52	
R. Jordan & Co., clothing.....	19	93	
			————125 12
J. S. Glover, coal.....	34	89	
J. M. Caldwell & Son, “ .....	33	21	
T. B. Fall & Son, “ .....	24	20	
Geo. Fall, lumber.....	8	51	
			————100 81
Ebin R. Smith, sundries.....	3	65	
J. Stackpole & Son, fertilizer.....	76	50	
J. Stackpole & Son, soap and oil.....	15	78	
C. F. Chapman, harnesses.....	55	00	
C. F. Chapman, sundries and repairs.....	30	01	
J. B. Richards, “ “ .....	5	10	
Theodore F. Cogswell, insurance.....	48	75	
J. M. Dunnels, copper tank, repairs, etc...	6	60	
A. H. Plouff, sundries and repairs.....	35	52	
Mark Newman, sundries.....	4	31	
J. Albert Smith, shoeing horses.....	36	50	
Malachi Nolan, shoeing oxen.....	15	25	
Chas. F. Wilcox, sundries.....	24	19	
John W. Goodhue, “ .....	25	31	
Edward F. Brown, “ .....	8	35	
Akerman & Conant, repairs and shoeing	13	25	



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John Durand, iron work.....	4 75	
W. A. Spiller, repairs.....	10 85	
James Graffum, repairs.....	32 20	
J. B. Stone, hay for ice.....	8 45	
Daniel G. Chapman, cow and calf.....	50 00	
Est. A. Carter, grinding corn .....	17 00	
Chronicle Publishing Co., paper.....	1 50	
Ipswich Independent Co., paper.....	1 50	
Stephen Jewett, use of gondola.....	4 00	
E. F. Brown, double truss for Mr. Hood..	5 00	
F. B. Page, repairs.....	3 75	
Geo Haskell, repairs on chairs.....	1 15	
	—————	\$ 544 22

### Labor.

Charles W. Sylvester, superintendent.....	\$550 00	
Henry C. Brown.....	84 00	
Newcomb Brown.....	207 39	
John Kenney.....	94 25	
Clara T. Sawyer.....	21 00	
Eva P. Sylvester.....	146 00	
Belle McKenzie.....	116 00	
Geo. P. Rutherford .....	4 00	
Edward Ready.....	4 00	
	—————	\$1226 64
Bills paid by the superintendent.....		36 62
		—————
Total expenditures.....		3639 75
Decrease in personal property.....		71 00
		—————
		\$3710 75

### Sales From the Farm.

Cream .....	\$1070 13
Cattle.....	187 00
Potatoes.....	176 51

# INVENTORY OF PROPERTY AT THE FARM.

## Stock, Tools, Etc.

	1896		1897		Increase.	Decr'se.
	No.	Value.	No.	Value		
Steers.....	2	\$75				75
Oxen.....	2	150				150
Cows.....	39	1170	36	1080		90
Heifers.....	2	45	2	45		
Bulls.....	1	25	1	25		
Horses.....	4	400	4	400		
Colts.....	1	50	1	100	50	
Fat hogs.....	6	120	13	260	140	
Shoats.....	19	86	10	45		41
Pigs.....	4	8	25	50	42	
Fowl.....	100	50	100	50		
Horse wagons.....	4	130	4	130		
Horse wagons.....	1	50	1	50		
Horse cart.....	1	70	1	70		
Pung.....	1	10	1	10		
Ox wagons.....	3	300	3	300		
Ox carts.....	2	75	2	75		
Mowing machines.....	4	110	4	110		
Plows.....	4	40	4	40		
Cultivators.....	1	5	1	5		
Horse hoes.....	2	16	2	16		
Harrows.....	3	50	4	60	10	
Ox sleds.....	3	50	3	50		
Drag.....	1	5	1	5		
Wood, cords.....	52	308	52	312	4	
Coal, tons.....	12	72	14	84	12	
Groceries.....		78		78		
Dairy utensils.....		140		140		
Furniture and bedding		365		400	35	
Range and fixtures.....		145		145		
Stoves and furnaces....		130		130		
Winnowing mills.....	2	12	2	12		
Wheel rakes.....	2	40	2	40		
Tedders.....	2	25	2	25		
Tools.....		100		100		
Blocks and ropes.....		15		15		
Harnesses.....	5	60	6	100	40	

## INVENTORY OF PROPERTY AT THE FARM. Stock, Tools, etc.—(Continued.)

	1896		1897		Increase.	Deer'se.
	No.	Value.	No.	Value.		
Rack.....	1	15	1	15		
Suction pump.....	1	4	1	4		
Windmill and tank.....		200		200		
Potato digger.....	1	20	1	20		
Scales.....	1	23	1	23		
Fire extinguishers.....	12	12	12	12		
Wheelbarrows.....	2	6	2	6		
Screen.....	1	5	1	5		
Totals.....		\$4865		\$4842	\$333	\$356
PRODUCE, ETC.						
Corn, bushels.....	450	225	600	300	75	
Beans, ".....	10	25	15	37	12	
Potatoes, ".....	325	175	200	120		55
Roots, ".....	25	12	25	12		
Pork, pounds.....	600	60	400	40		20
Cider, barrels.....	1½	8	4	16	8	
Apples, ".....	1	2	35	35	33	
Soap, pounds.....	140	7	150	7		
Ham, ".....	60	8	40	5		3
Fish, ".....	50	3	70	4	1	
Lard, ".....	50	6	40	5		1
Butter, ".....	30	9	20	6		3
English hay, tons.....	31	620	22	440		180
Salt hay and black grass, tons.....	60	600	53	530		70
Barley fodder.....			15	150	150	
Mulch, tons.....	5	25	6	30	5	
Thatch, ".....			10	80	80	
Straw, ".....	1	15	1	15		
Vinegar, gallons.....	120	18	120	18		
Cabbages,.....		5		30	25	
Ice.....		95				95
Onions, bushels.....	5	5	2	2		3
Phosphate.....	2	3	6	9	6	
Grain.....		21		8		13
Totals.....		\$1947		\$1899	\$395	\$443
Inventory, Stock, Tools,		4865		4842	333	356
		\$6812		\$6741	\$728	\$799
		6741				728
		\$71				\$71

Pigs.....	80	25
Hay.....	66	65
Board of horse.....	65	00
Eggs.....	44	56
Milk.....	24	80
Board.....	16	00
Chickens.....	12	00
Mulch.....	10	13
Labor.....	9	50
Calves.....	5	25
Skins.....	4	10
Squash.....		95
	—————	\$1772 83
Balance expense for support of poor at Farm		1937 92
		—————
		\$3710 75

The whole number of inmates at the Farm during the year was 18. Number at the present time 14. The cost per week has been for each inmate \$2.70

While the expenditures for the past year have remained about the same, the sales, owing to a shortage in the crops which has been universal, have very materially decreased; which decrease together with the loss of the ice crop which has always appeared in the appraisal and the difference in the price received for cattle which it was deemed wise to dispose of, and the price at which they had been carried on the books accounts for the increase in the balance against the farm.

Believing that under favorable circumstances the cost can be kept within the amount appropriated last year we would again recommend the same appropriation, \$1000, for the current year.

Respectfully submitted,

Luther Wait,	} Overseers
John A. Brown,	
Chas. S. Cummings,	
	of the
	Poor.



**Thomas E. Condon, Treasurer and Collector, in account with the  
Town of Ipswich for the year ending Jan. 19, 1897.**

DR.

February 12, 1896.

To cash on hand.....	\$ 29 55
cash collected taxes of '93 and '94	9 84
cash collected taxes of '95.....	373 90
cash collected bills due town farm for 1895.....	276 39
cash Commonwealth, bal. of cor. tax of '95.....	23 33
cash Commonwealth support of state paupers.....	33 72
cash Commonwealth cor. tax '96	1390 77
cash Commonwealth National Bank tax '96.....	520 27
cash Commonwealth state aid '96	2684 50
cash Commonwealth military aid '96.....	48 00
cash Commonwealth burial of in- digent soldiers and sailors.....	70 00
cash Water Commissioners int. on water bonds.....	5200 00
cash Water Commissioners prin. on note hired for extension of water main, Salem road.....	2000 00
cash Water Commissioners int. on same.....	78 75
cash received from sale of water bonds.....	6000 00
cash premium.....	371 25
cash hired on town notes in antici- pation of taxes.....	17500 00
cash hired on town notes for new school house.....	3000 00



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To cash county of Essex, killing seals	
reimbursed .....	135 00
cash interest on taxes.....	53 12
cash rec'd from sales from town	
farm .....	1628 81
cash rec'd from rent of town hall	353 50
cash rec'd from cities and towns	
poor account.....	653 90
cash rec'd from highway.....	272 35
cash rec'd from curbing and con-	
creting.....	70 40
cash rec'd from sale of centennial	
book.....	1 00
cash undrawn orders returned to	
town .....	7 50
cash rec'd from sale of Warren en-	
gine and couplings.....	283 50
cash rec'd from rent of cemetery	
pasture.....	12 00
cash rec'd rent of town scales.....	199 93
cash rec'd from criminal fines.....	355 16
cash rec'd from liquor licenses.....	6402 00
cash rec'd from other licenses, bil-	
liards, peddlers, etc.....	143 00
cash rec'd from sale of cemetery lots	260 00
cash rec'd from Helen Moulton,	
grading .....	15 00
cash tax list of 1896, state tax....	2065 00
cash tax list of 1896, county tax..	2615 11
cash tax list of 1896, town tax....	38200 50
cash orders allowed by Selectmen	
and not paid.....	1116 99
cash bills due the superintendent of	
town farm.....	144 02
	<hr/>
	\$94598 06

Thomas E. Condon, Treasurer and Collector, in account with the  
Town of Ipswich for the year ending Jan. 19, 1897.

CR.

February 12, 1896.

By cash paid on orders allowed by Se-	
lectmen for 1895.....	\$ 2411 50
cash Smith E. Hayes, overcharged	5 00
cash Commonwealth liquor li-	
censes .....	1600 50
cash Commonwealth state tax....	2065 00
cash Commonwealth nat. bank	
tax .....	476 73
cash county tax.....	2615 11
cash Old Col. Trust Co., int. on	
water bonds.....	5200 00
cash paid officers by orders of the	
Court .....	74 12
cash paid discount on taxes.....	571 41
cash paid for killing seals.....	135 00
cash paid int. on town notes.....	1645 65
cash paid prin. on notes hired in	
anticipation of taxes.....	17500 00
cash paid prin. on school house	
note.....	1000 00
cash paid prin. on bridge note.....	500 00
cash paid prin. on note hired for	
extension of water main Salem	
road .....	2000 00
cash paid state aid.....	2345 50
cash paid military aid.....	88 00
Gross amt. of Selectmen's orders al-	
lowed for 1896.....	46824 01
Abatements.....	475 88
Uncollected bills due town farm.....	144 02

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By cash paid Water Commissioners	
from sale of bonds and premium..	6371 25
Uncollected taxes.....	323 62
Cash on hand.....	225 76
	—————\$94598 06

This is to certify that I have examined the accounts of the Treasurer and have found them to be correctly cast and properly vouched.

Henry F. Dunnels, Auditor.

Ipswich, Mass., Jan. 19, 1897.

## Funds Left in Trust with the Town for the Care of Burial Lots.

### COGSWELL FUND.

In account with Thomas E. Condon, Treasurer.

#### DR.

To amt. in Ips. Savings Bank Feb. 1, '96	\$240 56
To interest to Jan. 1, '97.....	9 70
	—————\$ 250 26

#### CR.

By cash paid W. H. Kirk for care of lot...	2 00
By amt. in Ips. Savings Bank Jan. 1, '97..	248 26
	————— 250 26

### ANDREWS FUND.

#### DR.

To amt. in Ips. Savings Bank Feb. 1, '96	\$181 38
To interest to Jan. 1, '97.....	7 32
	————— 188 70

#### CR.

By cash paid W. H. Kirk for care of lot...	2 90
By cash paid Luther Lord for care of lot	2 00
By amt. in Ips. Savings Bank Jan. 1, '97	183 80
	————— 188 70

## STANIFORD FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96\$	71 73	
To interest to Jan. 1, '97.....	2 88	
	<u>          </u>	74 61

## CR.

By cash paid W. H. Kirk for care of lot...	1 00	
By amt. in Ips. Savings Bank Jan. 1, '97	73 61	
	<u>          </u>	74 61

## KINSMAN FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96\$	51 07	
To interest to Jan. 1, '97.....	2 06	
	<u>          </u>	53 13

## CR.

By cash paid W. H. Kirk for care of lot...	1 50	
By amt. in Ips. Savings Bank Jan. 1, '97	51 63	
	<u>          </u>	53 13

## EBEN KIMBALL FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96\$	109 21	
To interest to Jan. 1, '97.....	4 40	
	<u>          </u>	113 61

## CR.

By cash paid Luther Lord for care of lot..	1 50	
By amt. in Ips. Savings Bank Jan. 1, '97	112 11	
	<u>          </u>	113 61

## LAKEMAN FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96\$	53 06	
To interest to Jan. 1, '97.....	2 14	
	<u>          </u>	55 20

## CR.

By cash paid Luther Lord for care of lot..	1 25	
By amt. in Ips. Savings Bank Jan. 1, '97	53 95	
	<u>          </u>	55 20

## GIDDINGS FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96	\$107 55	
To interest to Jan. 1, '97.....	4 32	
	<u>          </u>	111 87

## CR.

By cash paid W. H. Kirk for care of lot...	2 00	
By amt in Ips. Savings Bank Jan. 1, '97	109 87	
	<u>          </u>	111 87

## POTTER FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96	\$102 04	
To interest to Jan. 1, '97.....	4 12	
	<u>          </u>	106 16

## CR.

By cash paid W. H. Kirk for care of lot...	2 50	
By amt. in Ips. Savings Bank Jan. 1, '97	103 66	
	<u>          </u>	106 16

## WILLCOMB FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96	\$ 59 70	
To interest to Jan. 1, '97.....	2 38	
	<u>          </u>	62 08

## CR.

By cash paid Luther Lord for care of lot..	2 00	
By amt. in Ips. Savings Bank Jan. 1, '97	60 08	
	<u>          </u>	62 08

## DAWSON FUND.

## DR.

To amt. in Ips. Savings Bank Feb. 1, '96	\$100 00	
To interest to Jan. 1, '97.....	2 00	
	<u>          </u>	102 00

## CR.

By cash paid Luther Lord for care of lot..	1 50	
By amt. in Ips. Savings Bank Jan. 1, '97	100 50	
	<u>          </u>	102 00



## HANNAH L. KIMBALL FUND.

DR.

To amt. in Ips. Savings Bank July 24, '96	\$100 00	
To interest to Jan. 1, '97.....	1 00	
		101 00

## VARRELL FUND.

DR.

To amt. in Ips. Savings Bank May 23 '96	\$200 00	
To interest to Jan. 1, '97.....	4 00	
		\$ 204 00

This is to certify that I have examined the books of the above trust funds and find them to be correct and properly vouched.

Henry F. Dannels, Auditor.

## State and Military Aid Account.

## Commonwealth.

DR.

To amt. due for state aid Jan. 1, '96.....	\$2684 50	
amt. due for military aid Jan.1, '96..	48 00	
amt. due paid state aid '96.....	2570 00	
½ amt. paid military aid '96.....	48 00	
		\$5350 50

CR.

By cash rec'd for state aid.....	2684 50	
cash rec'd for military aid.....	48 00	
amt. due for state aid.....	2570 00	
amt. due military aid.....	48 00	
		\$5350 50

## Debt Statement.

## Town of Ipswich.

DR.

To notes payable.....	\$26440 00	
To orders drawn and not paid.....	1116 99	
		\$27556 99

## CR.

By balance in Treasurer's hands.....	\$ 225 76	
amt. due for state aid.....	2570 00	
amt. due for military aid.....	48 00	
amt. due from state, poor account	196 49	
amt. due from state, burial soldiers	70 00	
amr. due from state corp. tax.....	954 00	
amt. due from cities and towns, poor account.....	94 34	
amt. due from farm bills in Collect- or's hands.....	144 02	
uncollected taxes.....	323 62	
	<hr/>	4626 23
Total debt Jan. 1, 1897.....		<hr/> \$22930 76

## Expense and Income Account.

## Expense.

For schools.....	\$15762 13	
current expenses.....	4035 14	
lighting streets.....	1369 48	
fees and salaries.....	4479 66	
fire department.....	4215 38	
highways.....	9472 20	
poor, balance.....	1971 82	
farm, balance.....	1937 92	
discount on taxes.....	571 41	
abatements.....	475 88	
interest.....	6845 65	
town notes.....	1500 00	
bank tax.....	476 73	
criminal fines, etc.....	79 12	
balance.....	1139 31	
	<hr/>	\$55231 83

**Income.**

Raised for town purposes.....	\$38200	50
Corporation tax.....	1414	10
National bank tax.....	520	27
Burial indigent soldiers.....	70	00
Liquor licenses.....	4801	50
Other licenses.....	143	00
Interest on taxes.....	53	12
Cemetery lots.....	275	00
Use of town team, rebate on curb- ing, etc.....	342	75
Criminal fines.....	355	16
Town scale.....	199	93
Notes on schoolhouse.....	3000	00
Sale of engine, etc.....	283	50
Water commissioners, interest.....	5200	00
Income town property.....	372	00
Centennial books.....	1	00
	—————	\$55231 83

**Statement of Town Property.****Real Estate.**

Farm.....	\$18000	00
Town house and land.....	16000	00
Cemeteries.....	2000	00
Engine houses and land.....	2000	00
School houses and land.....	26000	00
Woodland, Linebrook.....	100	00
Woodland, Common Fields.....	100	00
Land, Prospect street.....	300	00
Thatch bank, Great Flats.....	50	00
Thatch bank, Third Creek.....	10	00
Gravel pits, Washington street.....	150	00
Gravel pit, near A. B. Fellows'.....	150	00
Gravel pit, near J. C. Carlisle's.....	100	00
Two Pounds.....	100	00
	—————	\$65060 00

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### Personal Property.

At the farm.....	\$6741 00
Fire apparatus.....	9300 00
Hearse.....	400 00
Furniture at town house.....	500 00
Safes for Treasurer and Clerk.....	400 00
Horses, cart, harnesses, etc.....	500 00
	—————\$18641 00
Total of real and personal property.....	83701 00
Town debt Jan. 1, '97.....	22930 76
	—————
Balance in favor of town.....	\$60770 24

The expenses of the town in the various departments, with the exception of the Schools, Fees and Salaries and Farm, have been kept within the appropriations. The Overseers have advanced a reason for the balance against them, and I presume the School Committee will give in their report a satisfactory explanation in regard to their expenses.

The balance against the appropriation for Fees and Salaries was caused, as you are aware, partly by the increase of visitors brought here by the electric railway, and in part by the so-called Plant strike, as well as by the issue of liquor licenses, calling by reason of these for an increase in the Police force in order that our town might maintain its reputation of being a law-abiding as well as a law-protecting community, and although the expense has been somewhat increased it has not been so to such an extent as has been represented at home and abroad, and right here allow us to say, that in our opinion, the practice which has been in vogue the past year of denouncing the town and its officials is not in the interest of good government. If any one knows of laws being broken, or outrages committed, he is **not a good citizen** if he does not inform the proper authori-



ties, instead of railing against them. The parties who have had so much to say have not, to our knowledge, made any such report.

The system of street lighting has been somewhat changed the past year by increasing the number of gas lights, and by the use of the Welsbach burner. We think the change has given general satisfaction, and we would recommend that the gas lights be further increased so as to cover all the territory now covered by the Gas Company's pipe line, and we would also recommend an increased appropriation to cover the extra cost.

Since the last annual town meeting the Ipswich branch of the Gloucester, Essex and Beverly Street Railway has been completed, and your Selectmen have but words of praise in its behalf, as the company have shown a willingness to perform, and have performed, all that has been requested of them, and we have every reason to believe, that another season will see us connected, by the way of Rowley, with the town of Georgetown and the city of Haverhill.

Respectfully submitted,

Luther Wait,	} Selectmen	
Augustine H. Spiller,		of
John A. Brown,		Ipswich.

I hereby certify that I have examined the books of the Selectmen, Assessors and Overseers and also those of the Treasurer and Collector and find them correct, and with proper vouchers for all bills paid.

Henry F. Dunnels, Auditor.

Ipswich, Mass., Jan. 1, 1897.

## Jurors Submitted.

List of Jurors prepared by the Selectmen, to be submitted to the voters of the town at the annual town meeting, March 1, 1897:

Wesley B. Atkinson,

J. Howard Lakeman,



Thomas W. Baxter,  
 Charles G. Brown,  
 E. Newton Brown,  
 Nathaniel Burnham,  
 Clifford F. Chapman,  
 Edward W. Choate,  
 William A. Clarke,  
 John H. Cogswell,  
 Arthur W. Conant,  
 George K. Dodge,  
 Edward Dole,  
 George Fall,  
 John M. Fall,  
 Moses A. Fellows,  
 Albert S. Garland,  
 John J. Glasier,  
 John S. Glover,  
 Frank T. Goodhue,  
 William Goodhue,  
 Frederic M. Gordon,  
 James Graffum,  
 James Griffing,  
 George Harris,  
 Fred O. Hart,  
 George H. Haskell,  
 Peter Hennessey,  
 Benjamin R. Horton,  
 Amos E. Jewett,  
 Charles Jewett,

Austin L. Lord,  
 George A. Lord,  
 George E. Lord,  
 Frank L. Lyons,  
 Austin Measures,  
 George V. Millett,  
 John E. Norman,  
 John W. Nourse,  
 Henry L. Ordway,  
 Charles M. Perley,  
 John M. Purinton,  
 William P. Reilly,  
 Charles W. Rogers,  
 Foster Russell,  
 George P. Smith,  
 J. Albert Smith,  
 George Spencer,  
 Frank A. Stackpole,  
 Daniel W. Stone,  
 Henry Stone,  
 Robert Stone,  
 John E. Tenney,  
 George W. Tozer,  
 Charles S. Tyler,  
 J. Choate Underhill,  
 William F. Warner,  
 Jesse Warren,  
 Frederick Willcomb,  
 Joseph R. Wilson.

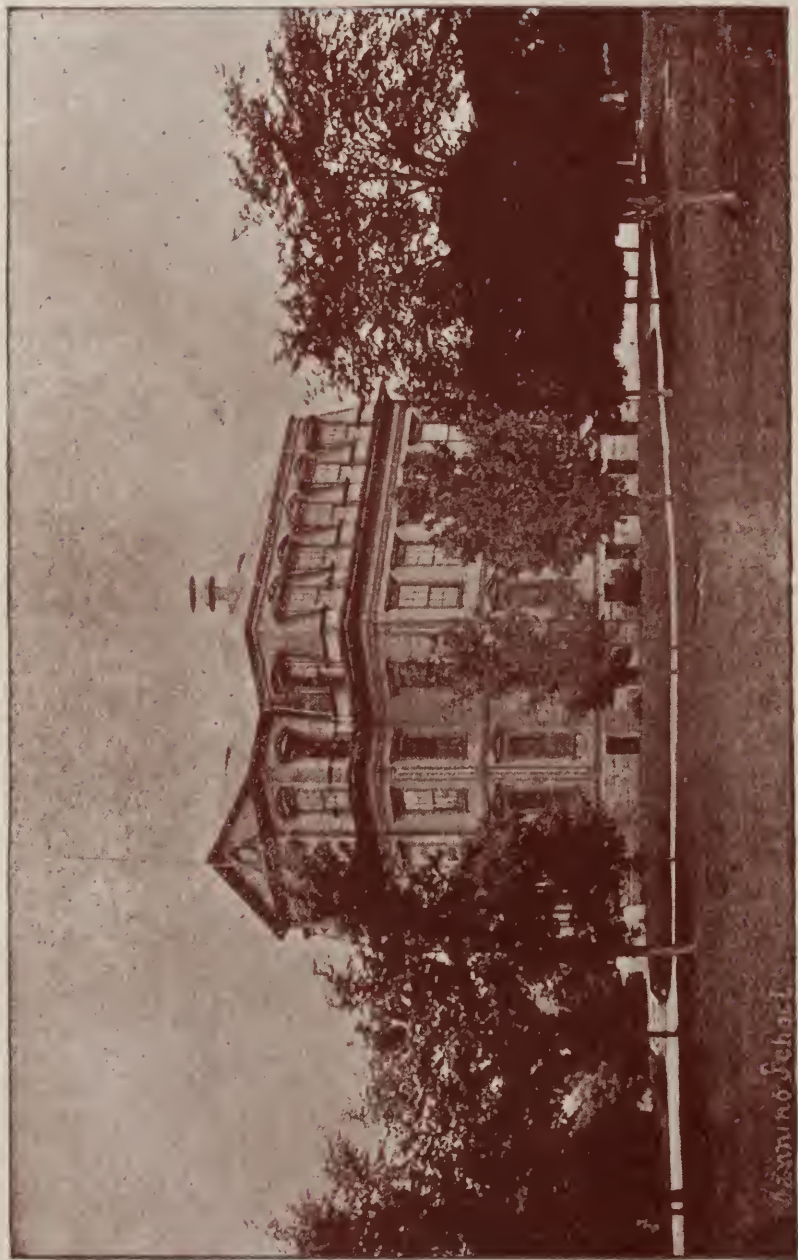
Luther Wait,                    }  
 Augustine H. Spiller,        }  
 John A. Brown,                } Selectmen  
   of  
   Ipswich.

Ipswich, Feb. 5, 1897.





THE GREAT WALL



THE MANNING SCHOOL.



# TOWN OF IPSWICH.

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ANNUAL REPORT

— OF THE —

## School Committee.

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FOR THE YEAR ENDING DEC. 31, 1896.



IPSWICH, MASS.:  
CHRONICLE PUBLISHING Co.  
1897.



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## ORGANIZATION.

---

Dr. Geo. E. Macarthy, Chairman.      John H. Cogswell, Secretary

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### Sub-Committees.

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#### Primary Grades.

MR. BAMFORD,      MR. CUMMINGS.

---

#### Intermediate Grades.

MR. COGSWELL,      MR. NOURSE.

---

#### Grammar Grades.

DR. G. E. MACARTHY,      MRS. NOYES.

---

#### High School.

THE ENTIRE COMMITTEE.

---

#### Argilla School.

MR. BAMFORD.

---

#### Appleton School.

DR. MACARTHY.

---

#### Candlewood School.

MRS. NOYES.

---

#### Cinebrook School.

MR. COGSWELL.

---

#### Village School.

MR. NOURSE.

---

#### Willowdale School.

MR. CUMMINGS.

---

#### On Labor Certificates.

DR. MACARTHY.

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#### On Repairs.

MR. COGSWELL,      MR. NOURSE.

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#### Truant Officers.

CHARLES S. CUMMINGS,      FRANK B. PAGE.

# REPORT.

## FINANCIAL STATEMENT.

### RECEIPTS.

Balance due the Schools, Feb. 1, 1896 \$	474 53	
Town appropriation.....	12500 00	
		—————\$12,974 53

### EXPENDITURES.

Trustees Manning School.....	\$ 1215 00	
Teachers Salaries.....	7909 25	
Care of School Buildings.....	570 85	
Fuel .....	600 45	
Repairs.....	360 37	
Text Books and Supplies.....	818 94	
Incidentals.....	388 78	
		—————\$11,863 64

Balance due the Schools, Jan. 1897,	\$ 1,110 89
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## List of Teachers.

January 1st, 1897.

HIGH SCHOOL.	{ JOHN P. MARSTON, Principal. EMMA G. GARDNER, } Assistants. MABEL H. REMICK, }
GRAMMAR SCHOOL.	{ JOSEPH I. HORTON, Principal. LUCY HAMLIN, } Assistants. CARRIE L. LAKEMAN, }
WINTHROP SCHOOL.	{ M. ELMA SMITH, Principal. S. ISABEL ARTHUR, } Assistants. EVA M. PURINGTON, } E. MABEL ADAMS, }
COGSWELL SCHOOL.	{ KATHARINE C. BAKER, Principal. LUCY A. KIMBALL, Assistant.
DENNISON SCHOOL.	{ MABEL R. WILLIS, Principal. ANNIE P. WADE, Assistant.
PAYNE SCHOOL.	{ EVA A. WILLCOMB, Principal. KATHARINE F. SULLIVAN } Assistants GRACE E. SMITH, }
WAINWRIGHT SCHOOL.	{ MYRTIE B. DECATUR.
APPLETON SCHOOL.	{ MARTHA U. LORD.
ARGILLA SCHOOL.	{ CORA A. SMITH.
CANDLEWOOD SCHOOL.	{ LOUISE S. GLOVER.
GRAPE ISLAND SCHOOL.	{ CORA H. JEWETT.
LINEBROOK SCHOOL.	{ ELIZABETH F. TODD.
VILLAGE SCHOOL.	{ MARY E. ARCHER.
WILLOWDALE SCHOOL.	{ MARY A. PERKINS.
MUSIC.	{ LAURA A. HUBBARD.
DRAWING.	{ HARRIET D. CONDON.



Number of children in town of school age (5 to 15) according to census taken in May, 1896..... 868

Pupils enrolled in the public schools during the past year ..... 899

NOTE. In connection with the above it should be stated, that the number enrolled includes 175 pupils who are above fifteen years of age.

## ENROLLMENT AND ATTENDANCE.

NAME OF SCHOOL.	Whole Number Enrolled.	Average Membership.	Average Attendance.	Per cent. of Attendance.
High School .....	73	50.4	48 3	95.7
Manning Grammar....	179	100.8	98.3	92
Winthrop Grammar...	194	175	160.	90
Cogswell Primary.....	75	63	56	90
Dennison Primary.....	100	76	69.3	91.5
Payne Primary.....	136	108	97	90
Wainwright Primary	36	32	29	90
Appleton (Ungraded)	13	9	8	90
Argilla “	11	7.5	6.5	87
Candlewood “	17	14.9	12.6	84.5
Grape Island “	5	4.2	4	95.2
Linebrook “	30	24.2	20 7	85 5
Village “	14	12.8	11	86
Willowdale “	16	13 6	12.3	90
	899	697.4	633	90.7

## REPORT.

A retrospect of a year of school work, while it notes carefully what has already been done, will also seek diligently for any points in which the efficiency of our public schools can be increased or emphasized. It has been said that "the French Revolution would have been impossible with free public schools, and the American Revolution would have been impossible without them," which is but another way of saying that a people, trained to good citizenship in our public schools, are capable of self government and the construction of improved and righteous laws. This must include the proviso that our youth have been educated in character and self-control as well as in book-lore ; in practical as well as in theoretical knowledge ; morally as well as mentally.

The review then, of the work done in 1896, while it reveals defects and short-comings in some cases where we felt reasonably certain of success, yet denotes progress along many lines of work ; and while we may not yet have attained to all the excellencies of the MODERN school, the commit-

tee feel that our schools are really doing more for the practical training of the thought and character of our children than ever before. There has been in many instances, and should be in many more, an attempt to depart from the long-tried methods of reducing the pupils to a "uniform consistency," as it may be termed, and more attention has been given to individual training. History may repeat itself but Human Nature never does. No two atoms that are cast into the crucible of life are exactly the same nor can they be wrought into character by exactly the same means. Hence the necessity that our children should be taught as individuals, that our boys and girls may make the most and the best of themselves, and may develop a strong, healthy, intelligent and virtuous manhood and womanhood.

To this end many of our teachers have striven during the past year, and their aim has been, not to grind out from the educational hopper, a certain number of graduates and promotions, but to inculcate such habits of thought, and to give such comprehension of a subject as shall meet the absolute needs of the pupil, and shall make a systematic training for the duties of life. It has been truly said that, "What you would have come out in the life of a nation you must put into its schools." A teacher's capability, therefore, in whatever grade he may be placed, should be estimated by his power to train the individual. The great defect of the new system of education is the seeking to stamp all children with the seal of uniformity, regardless of the fact that as designed by the Creator or made up by Nature no two minds, or hearts, or souls are alike.

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## PRIMARY SCHOOLS.

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Individual work in the lower schools—and nowhere is it more essential than in the primary grades,—had been made



possible this year as never before, by the increased facilities afforded by our new and commodious Winthrop School Building. The opening of this school has relieved the overcrowded, discouraging condition of the primaries and the beneficial results are visible every day. The children are no longer compelled to sit upon the floor, or in such spavined chairs as have been handed down through generations of boys and girls, and to breathe the vitiated air of densely crowded rooms, but are comfortably seated and consequently are more orderly, better behaved and happier. The teachers now have only as many pupils as can be properly and efficiently taught, and more time has been devoted to each individual. As a natural result the children have been TAUGHT and have not simply recited a lesson if the teacher had time to hear it. Recitations, discipline and all minutiae of the school-room has improved, and the teachers have shown their appreciation of their changed environment by a hearty, wholesome, and cheerful interest in their work which has, in the main, been productive of good results. No grade demands more liberal qualifications, broader comprehension of child nature and temperament, nor sounder judgment than do these schools, that are the basic elements upon which depends the whole structure.

At the opening of the Winthrop School in April, the Dennison, Payne, and Cogswell buildings were utilized as primaries, two grades being placed in the lower and one grade in the upper rooms.

At the beginning of the school year in September, Miss Adams was removed from the Dennison to the position of third assistant in the Winthrop School, and Miss Willis was transferred from the Wainwright School to the Dennison. Miss Decatur was placed in charge of the Wainwright, from which school one class was removed to the Dennison.

The teachers that constitute the Primary Corps have worked willingly and with notable energy during the year, and, in general, with gratifying results.

## WINTHROP SCHOOL.

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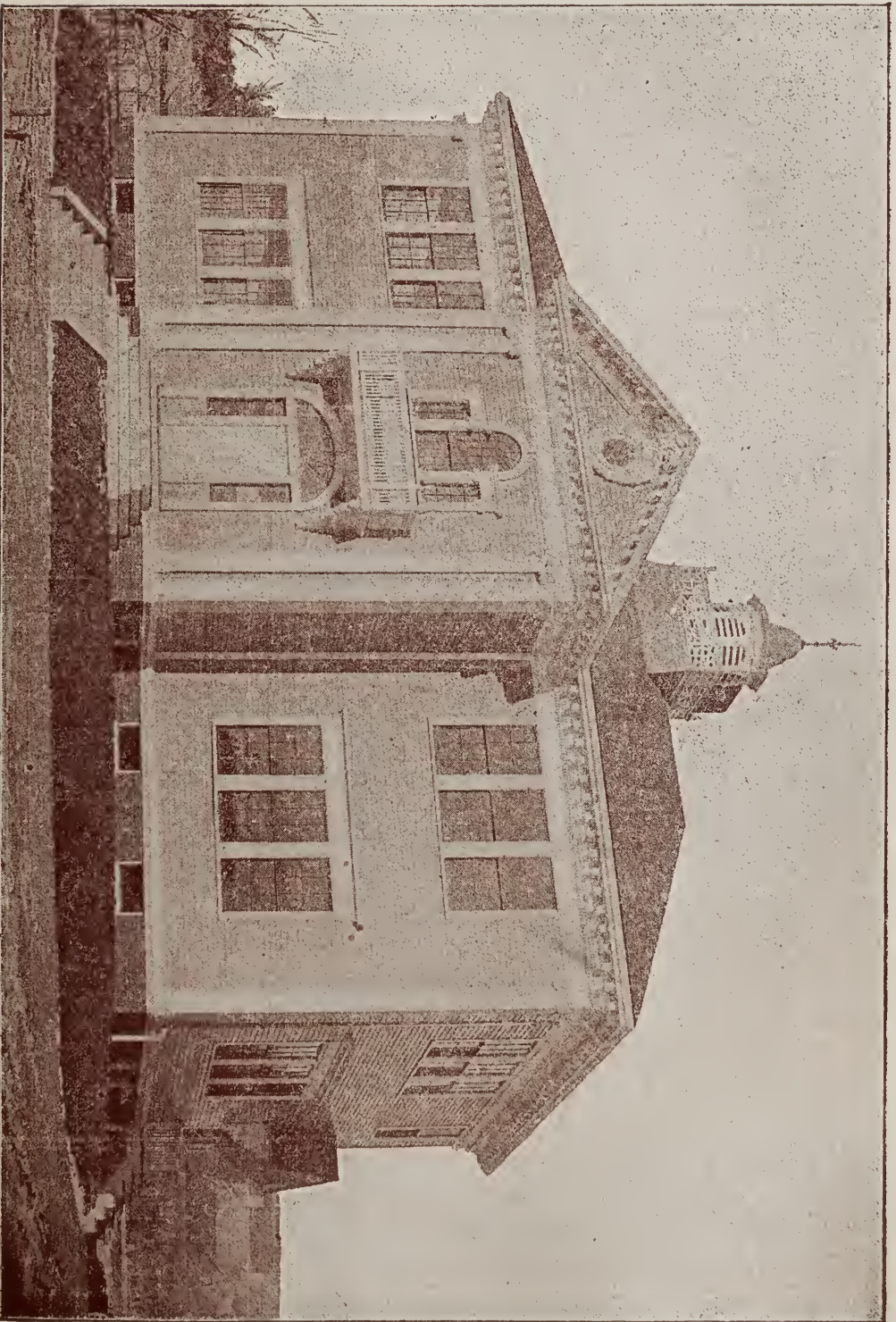
An event of the school year, which marked a long stride in educational progress, was the completion, dedication and occupancy of the Winthrop School building, which "when we saw," like St. Paul of old, "we thanked God and took courage." The new building has made possible many improvements in the grading of the schools and is daily proving its adaptation to our needs.

The dedicatory exercises, (a program of which is appended to this report,) were appointed for the evening of April 1, 1896, a day which dawned and closed with clear skies. The new building was opened for inspection on the afternoon and evening of that day. There was a general acceptance of the opportunity offered, and many expressions were heard in praise of the finely constructed edifice.

The exercises were held, by the courtesy of the Manning School Trustees, in Manning Hall. A large audience was present. Upon the stage were seated many guests invited from neighboring towns, conspicuous among whom was Mr. Frank A. Hills, Secretary of the State Board of Education, —a man who has risen, and most deservedly, from the teacher's ranks to his present position of honor.

The school was opened on Monday, April 6, with Miss M. Elma Smith as Principal, Miss S. Isabel Arthur and Miss Eva Purinton as Assistants. To this list Miss Adams was added in September. Here were placed the pupils of the former Intermediate Schools, and also the third division of the Grammar School. Out of these elements the fourth, fifth and sixth grades have been involved. Teachers and pupils have taken a just pride in their new surroundings, and the order, cleanliness and beauty of the building have proved strong incentives to teacher and taught. Although less than a year has elapsed since its opening, the work





THE WINTHROP SCHOOL.



that has been done warrant the committee in pronouncing it a success.

Nature studies have been introduced with excellent results and an attempt has been made to start the children in the right direction for a knowledge of our best authors. Physical exercises for a few minutes each day have been found both interesting and beneficial to the pupils. Several really excellent collections of minerals have been made by the children and they have become greatly interested in the work. These subjects are taught incidentally and are never allowed to usurp the time of the regular studies.

Tuesday, June 23, was the appointed Visiting Day for the Winthrop School, when thirty scholars received certificates of promotion to the Manning Grammar School.

The formal presentation of a flag to the school, by Silver Star Council, United Order American Mechanics, was made on the seventeenth day of June, the exercises being held out of doors. Col. Nathaniel Shatswell presented the flag, which was accepted on behalf of the Committee by Mr. Bamford, and was then raised to its place by the children, and surely nothing could be more fitting than that the flag of free citizenship should float above the temple of free learning, where it can proclaim a whole nation's history.

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## GRAMMAR SCHOOL.

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After the removal of the pupils from the third division of the Grammar School to the new building, Miss Hamlin was placed in the principal's room as Assistant and Miss Lakeman succeeded Miss Hamlin in the seventh grade.

Bookkeeping and Civil Government have been introduced into the school curriculum, in order that the children, espec-



ially boys, who finish their school life here and go out into the world, may be fitted as far as possible with some practical knowledge of the duties of citizenship.

The teachers have labored with remarkable unanimity and the work of the school has gone steadily forward under the usual vigorous discipline. Up to this stage of their school life, children are rare imitators, and there should be kept ever before them living examples of broad culture, refined manner and graceful expression.

For almost the first time vocal music has had a place in the school work. The result has been better than was anticipated, and the very perceptible hiatus which formerly existed between the intermediate and high schools, in this branch of education, seems likely to be closed.

The vertical writing, which was adopted for the lower schools, has been put into practice here with most gratifying results. A noticeable improvement in the drawing has also been made.

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### List of Pupils from the Grammar School who Received Diplomas, June 24, 1896.

---

Alva Howe Story,  
Alice Marshall Brown,  
Alice Gertrude Burnham,  
Eva Louise Spiller,  
Annie Atherley,  
Henry Seville Spaulding,  
Edward John Ready,  
Daniel Earl Measures,  
Ellis Waters Merton,  
Joseph Edward Fellows,  
Thomas William Hayes,

Carrie Elizabeth Perkins,  
Elsie May Ross,  
Nellie Ethel Warner,  
Emily Agnes Constant,  
Alfred Henry Pickard,  
Raymond Everett Lord,  
Adrien George Barker,  
Edward William Willis,  
Frederick Allen Brown,  
Kenneth Everett Kimball,  
John Frank Goodhue,

John Arthur Herlihy.

## = Programme. =

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Piano Duet,	- - - - -	Misses Perkins and Constant
Invocation,	- - - - -	Rev. Geo. F. Durgin
Singing,	"Awake! Awake!"	School
Composition and Salutatory,	- -	Carrie Elizabeth Perkins
Recitation,	"Flash, The Fireman's Story,"	Edward W. Willis
Composition,	"Making Things Happen."	Alice M. Brown
Recitation,	"Carcassonne."	Annie Atherly
Composition,	"If the Sun Has Gone Down Look Up to the Stars."	Elsie M. Ross
Recitation,	"Await the Issue."	John A. Herlihy
Singing	{ "Blessed Knight." } { "Jubilate." }	School
Recitation,	"The Indian Chieftian."	Alfred H. Pickard
Composition,	"How Our President is Chosen."	Daniel E. Measures
Recitation,	"The Old Clock on the Stairs."	Alice G. Burnham
Composition,	"Some Poor Boys."	Ellis W. Morton
Recitation,	"The Elf Child."	Agnes E. Constant
Composition,	"The Emancipation Proclamation and What It Meant."	Kenneth E. Kimball
Singing,	"Vocal March,"	School
Selection,	From "Snow-bound,"	Members of Class
Recitation,	"The Swiss Good Night,"	Eva L. Spiller
Composition,	"The Cuban Question,"	Henry S. Spaulding
Recitation,	"The Owl Critic,"	Ethel Warner
Looking Backward,	- - - - -	Adrien G. Barker
Composition and Valedictory,	- - - - -	Alva H. Story
	Presentation of Diplomas.	
	Singing of Class Hymn.	
Benediction,	- - - - -	Rev. E. E. Harris



## HIGH SCHOOL.

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No school bears greater evidence of increased individual work than does our High School under the quiet, yet vigorous and scholarly leadership of the present principal, Prof. John P. Marston. In this work the new building has been a potent factor, for its influence has reached up to the higher, as well as down to the lower grades. The facilities for work in this school have been largely increased by the removal from the upper floor of the Manning building, of the third division of the Grammar School. This room has long been needed by the High School. Anticipating this change and knowing that the needs of the school demanded a second assistant, an appropriation of \$500. for such an additional teacher was asked and readily granted by the town. Miss Mabel K. Remick, of Lynn, was elected to fill the position and entered upon her duties at the beginning of the spring term. Miss Gardner has completed another year of conscientious and thorough work which needs no eulogium.

Although in the Grammar School children are imitators, they arrive at the High School at an age when they begin to reason and reflect, and when they are extremely susceptible to the influence of other minds. Therefore the High School teacher has large opportunities for moulding character, and for developing by individual instruction, the best possibilities of each pupil.

Many of our scholars enter the High School with the too evident idea, that as they have so nearly "finished their course" and run their educational race, their reward will be certain whether they work for it or not. Many consider promotion from a lower to a higher class as an established fact and do not make the diligent effort they ought, to make their "election sure." Several causes may militate against the doing of the necessary work. Habits of application may not have

been formed, the mind may never have acquired the power of concentration requisite for the more abstruse studies of the High School, or it may be due to indifference. This lack of sufficient preparation for admittance to an advanced class, affects both the class and the individual, and can only be remedied by the conditioning of those who fail to reach the required standard. A few instances of such discipline might act as a wholesome tonic and furnish an incentive to greater work.

The committee after due and careful deliberation decided, that the best interests, of the school demanded that a four years' course should be adopted in place of the three years' course, and the advantages anticipated from the change are already materializing. It will now be possible for any one who takes this course to enter college directly instead of spending a year's time at a preparatory school. The failure of the post-graduate course to secure good results, except in a few instances, was also a strong motive for the change. Three elective courses are now open to the pupils entering the High School, viz: English and Scientific, three years; French and Latin, four years; College, four years. These courses include the following branches:

English and Scientific	{	Algebra.	English Language.	Chemistry.
		Geometry.	English Composition.	Geology.
		Physics.	English Literature.	Botany.
		Roman History.	English History.	Astronomy
		Greek History,	French or German.	
French and Latin.	{	Algebra.	English History.	Roman History.
		Geometry.	Eng. Composition.	Greek History.
		Geology.	English Literature.	Physics.
		Chemistry.	Latin Comp'tn.	French or German.
		Botany,	Latin, Caesar;	Virgil, Cicero.
College.	{	Astronomy.		
		English.	Latin.	Greek.
		Composition.	Composition.	Composition.
		Literature.	Caesar.	Anabasis.
		History.	Cicero.	Iliad.
			Virgil.	
			French or German.	
			Roman History.	

During the past year water and gas have been introduced by the Trustees, which greatly improve the building. It is

to be desired that more adequate provision for the study of the natural sciences, especially of chemistry, physics, and their allied branches, may be made as soon as the Trustees can see a way to do it. The many discoveries made in recent years, and the application of these discoveries to the useful arts, have changed greatly the conditions under which men live today, and the boy who goes out from the school without some knowledge of the sciences is deprived of a part of his rightful inheritance and is less fully equipped than he should be for the practical affairs of life.

If the knowledge gained here be but sound and useful the pupil will feel that he has traveled upon no purposeless errand, and the parent will feel that in the public school lies the best investment for his children. Of the class of '96, four have returned for a Post-Graduate course, and one entered the Boston College in September.

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## CLASS OF '96.

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### CLASSICAL COURSE.

Edith Lyman Daniels,	Ralph Hallam Grant,
Clement Lakeman Kimball,	Marion Pike Ross.
Edward Mark Sullivan.	

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### LATIN COURSE.

Florance Abbie Conant,	Bessie DeLaHaye,
Lucy Gerrish Harris,	Martha Underhill Lord,
Ellen Theresa Sullivan.	

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### ENGLISH COURSE.

Franklin Trott Burnham,	Minnie Fellows Hodgkins,
Chester Hammond Smith,	Etta Mabel Wells,
Frederick Gage Whittier.	



## = Programme. =

### March.

Invocation, - - - - -	Rev. George F. Durgin
Singing, 'Tis Morn,	High School Chorus
Salutatory, The Olive Wreath,	Marion P. Ross
Essay, Unrestricted Immigration,	Frederick G. Whittier
Essay, The Financial Question from a Personal Standpoint	Chester H. Smith.
Essay, Woman's Clubs,	Martha U. Lord
Singing, { a. Fair is the Night, } { b. Yachting Glee, }	Sextet and Ladies' Chorus
Essay, Ancient Cities,	Minnie F. Hodgkins
Class History, - - - - -	Franklin T. Burnham
Essay, My Ideal Young Woman,	Florence A. Conant
Essay, Education,	Ellen T. Sullivan
Singing, Meadow Song,	Ladies' Chorus
Essay, Free Trade and Protection,	Edward M. Sullivan
Essay "Go tell the Spartans, thou that passest by, That here obedient to their laws, we lie."	Edith L. Daniels
Class Prophecy, - - - - -	Etta M. Wells
Solo, True to the Last,	Edward M. Sullivan
Essay, The Curse of Monopolies,	Ralph H. Grant
Essay, Study,	Bessie De La Haye
Essay, Why Do We Honor Great Men?	Clement L. Kimball
Singing, Heaven and Earth Display,	Mendelssohn
	High School Chorus.
Valedictory, To the Strongest,	Lucy G. Harris
	Presentation of Diplomas.
Class Song, - - - - -	Class of '96
Benediction, - - - - -	Rev. E. E. Harris

### Class Ode.

---

We are gathered here as classmates,  
As a volume loosely bound;  
Soon the leaves will all be scattered  
By life's breezes blown around.

#### CHORUS

When eternity shall bind them  
May it golden volumes find them.  
May each page be closely written  
With the good we each have done;  
Battles we have bravely conquered,  
Glorious Victories we have won.

#### CHORUS.

And then be sure in God's own time,  
We each shall reap a crown divine.

MINNIE FELLOWS HODGKINS.

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### UNGRADED SCHOOLS.

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Like Banquo's ghost these schools are a problem which will not down, but is continually confronting the committee, and asking for solution. The teachers with one exception are the same as those of last year and many of them deserve especial commendation for the good work they have done, sometimes under unfavorable circumstances. Where the number of pupils is so small neither ambition nor enthusiasm can be long maintained.

The Grape Island School seems to be approaching dissolution. Never of very considerable numbers, the removal of several families from the island has so reduced the attendance that it is hardly probable that the school will be reopened the coming season, unless the population of the island is greatly increased. Miss Jewett's long, faithful service is fully recognized and appreciated and she deserves great credit for her persevering efforts under very trying conditions.

The question of transporting the scholars from these



schools and centralizing all the educational privileges has been seriously considered, but the plan is not yet deemed feasible. The trolley cars might make it practicable for the older pupils at Candlewood but there would still remain a younger class for whom the change would be injudicious. The same objection holds good with other districts.

The only change in teachers in these schools has been at the Appleton, where Miss Bertha Brown, who resigned, was succeeded by Miss Martha Underhill Lord. The variable number of scholars and the irregular attendance have been so detrimental to this school, that the committee, for the past three years, have closed the school in the winter, limiting its session to the six months required by law.

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## MUSIC AND DRAWING.

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The fact that Miss Hubbard and Miss Condon are retained year after year, in their respective positions as teachers of music and drawing, is sufficient evidence that the work done under their supervision is uniformly satisfactory. The past year has been one of notable progress. The lessons assigned by Miss Hubbard and Miss Condon have been conscientiously taught, for upon the regular teachers falls a part of the special work. Vocal music, which hitherto has been one of the "lost arts" in the Grammar School, has been taken up by the principal more systematically and with more enthusiasm than in previous years. The really good effects of the teaching of Miss Condon are more than ever apparent, now that those who began to draw in the primaries have reached the higher grades.

## ERRATA.

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The plan of an exhibition at the close of the summer term was changed last year and a simple Visiting Day substituted, in order that parents might see something of the regular routine of school work in the several rooms. Another design of this plan was to lessen the work and strain upon teacher and pupil, which is consequent upon an Exhibition Day. It is proposed to have at least one such Visiting Day in each term and parents and friends are earnestly urged to avail themselves of it.

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Semi-annual promotions are strongly favored by the committee, particularly in the lower grades, where exceptionally bright scholars have sometimes been kept back, because they must advance with the "slow rapidity" of which the entire class is capable, in order to appease the "uniformity" idol. Several such promotions were contemplated for the beginning of the January term, had not the interruption and consequent loss of time caused by the diphtheria epidemic prevented.

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## SCHOOLHOUSES.

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These are twelve in number and, as a rule, are in fairly good condition. Few buildings have required any extensive repairs during the past year. The greatest expenditure has been for the refurnishing of the Dennison upper primary. The old seats and desks,—which were much more conducive to spinal curvature than to either good manners, good morals or good lessons,—have been removed, and plain, substantial, and suitable furniture has taken their place. In the coming year some repairs will be necessary upon the exterior of this building.

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## TRUANT OFFICERS' REPORT.

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To the School Committee of the Town of Ipswich :

It was thought best by you to appoint one member of the School Committee and one of the police to act as Truant Officers.

We have attended to our duties and beg leave to submit the following report.

We have had 64 cases and have succeeded in getting them all into school. The difficulty we have had to contend with has been the fact of the parents making it too easy for the children to stay away from school. They seemingly do not appreciate the importance of regular attendance, to school and pupil. No reports of children unlawfully employed in the mills or elsewhere has come to us.

In several homes where we have been sent to look for truants, we have found the delinquents obliged to remain away from school to care for younger children, while the parents were away at work. In other cases lack of proper and sufficient clothing has been the cause of absence.

During the year, two children were brought into the Juvenile Court and sentenced to the Reform School. This extreme measure is resorted to, only when all other means fail, but when a child is incorrigible and is constantly absent, whether the parents condone his fault or not, the offender must be made amenable to the law.

Respectfully submitted,  
Charles S. Cummings,  
Frank B. Page,  
Truant Officers.

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## CONTAGIOUS DISEASES.

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The prevalence of measles, diphtheria and scarlet fever in



our town, have made many of our patrons apprehensive about the spread of contagion in our schools. Reference to the following extract from the Public Statutes shows clearly the laws respecting contagious diseases.

We have made every effort to enforce these laws as far as reliable information could aid us. During the school year the clerk of the Board of Health has informed the secretary of the School Board of every reported case in the town,—the nature and location of each—so that our teachers could be at once warned and advised. Whenever cases of contagion have appeared, the schoolhouses have been thoroughly fumigated.

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## EXTRACTS FROM THE PUBLIC STATUTES OF THE COMMONWEALTH.

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### Contagious Diseases.

Chapter 198 of the Acts of 1885, provides that "the school committee shall not allow any pupil to attend the public schools while any member of the household to which such pupil belongs is sick of small-pox, diphtheria or scarlet fever, or during the period of two weeks after death, recovery or removal of the sick person; and any pupil coming from such household shall be required to present a certificate, from the attending physician or board of health, of the facts necessary to entitle him to admission in accordance with the above regulation."

The School Committee shall not allow a child who has not been vaccinated to be admitted to or connected with the public schools.—Section 9, Chapter 47, Public Statutes of the Commonwealth.

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### Child Labor in the Mills.

SECTION 13. No child under thirteen years of age shall be employed at any time in any factory, workshop or mercantile



establishment. No such child shall be employed in any indoor work performed for wages or other compensation, to whomsoever payable, during the hours when the public schools of the city or town in which he resides are in session, or shall be employed in any manner during such hours unless during the year next preceeding such employment he has attended school for at least thirty weeks as required by law.

SECTION 14. No child under fourteen years of age shall be employed in any manner before the hour of six o'clock in the morning or after the hour of seven o'clock in the evening. No such child shall be employed in any factory, workshop or mercantile establishment, except during the vacation of the public schools in the city or town in which he resides, unless the person or corporation employing him procures and keeps on file a certificate and employment ticket for such child, as prescribed by section seventeen of this act; and no such child shall be employed in any indoor work performed for wages or other compensation, to whomsoever payable, during the hours when the public schools of such city or town are in session, unless as aforesaid, or shall be employed in any manner during such hours unless during the year next preceeding such employment he attended school for at least thirty weeks as required by law: PROVIDED, the public schools are in session that number of weeks, which time may be divided, so far as the arrangement of the school term will allow, in three terms of ten consecutive weeks each; and such employment shall not continue in any case beyond the time when such certificate expires

SECTION 17. The certificate of a child under fourteen years of age shall not be signed until he presents to the person authorized to sign the same an employment ticket as hereafter prescribed, duly filled out and signed. The certificate and the employment ticket shall be separately printed, and shall be in the following forms respectively, and the blanks therein shall be filled out and signed as indicated by the words in brackets:—

EMPLOYMENT TICKET, LAWS OF 1894.

When {name of child,} height {feet and inches,} complexion {fair or dark,} hair {color,} presents a certificate duly signed, I intend to employ {him or her.}

{Signature of intending employer or agent.}  
{Town or city and date.}

AGE AND SCHOOLING CERTIFICATE, LAWS OF 1894.

This certifies that I am the {father, mother or guardian} of {name of child} and {he or she} was born at {name of town or city,} in the county of {name of county, if known,} and state {or country} of {name,} on the {day and year of birth,} and is now {number of years and months} old.

{Signature of father, mother or guardian.}  
{Town or city and date.}

Then personally appeared before me the above named [name of person signing] and made oath that the foregoing certificate by [him or her signed] is true to the best of [his or her] knowledge and belief. I hereby approve the foregoing certificate of [name of child,] height [feet and inches,] complexion [fair or dark,] hair [color] having no sufficient reason to doubt that [he or she] is of the age therein certified.

[Signature of person authorized to sign with official character or authority.]

[Town or city and date.]

In case the age of the child is under fourteen the certificate shall continue as follows, after word 'certified':—

And I hereby certify that [he or she] can read at sight and can write legibly simple sentences in the English language and that [he or she] has attended the [name] public [or private] day school according to law for [number of weeks, which must be at least thirty] weeks during the year next preceding this date, and that the last thirty weeks of such attendance began [date.] This certificate expires [date one year later than the above date.]

[Signature of the person authorized to sign, with official character of authority.]

SECTION 23. The truant officers, may, when so authorized and required by vote of the school committee, visit the factories, workshops and mercantile establishments in their several cities and towns and ascertain whether any children under the age of fourteen are employed therein contrary to the provisions of this act, and they shall report any cases of such illegal employment to the school committee and to the chief of the district police or the inspector of factories for the district. The inspector of factories and the truant officers, when authorized as aforesaid, may demand the names of all children under sixteen years of age employed in such factories, workshops and mercantile establishments, and may require that the certificates and lists of such children provided for in this act shall be produced for their inspection. Such truant officers shall inquire into the employment, otherwise than in such factories, workshops, and mercantile establishments, of children under the age of fourteen years, during the hours when the public schools are in session, and may require that the aforesaid certificates of all children under sixteen shall be produced for their inspection, and any such officer or any inspector of factories may bring a prosecution against a person or corporation employing any such child, other-

wise than as aforesaid, during the hours when public schools are in session, contrary to the provisions of this act, if such employment still continues for one week after written notice from such officer or inspector that such prosecution will be brought, or if more than one such written notice, whether relating to the same child or to any other child, has been given to such employer by a truant officer or inspector of factories at any time within a year.

SECTION 62. Every parent, guardian or person authorized to sign the certificate prescribed by section seventeen of this act, who certifies to any materially false statement therein, shall be punished by fine not exceeding fifty dollars or by imprisonment not exceeding thirty days, or both.

SECTION 67. Every parent or guardian of a child under fourteen years of age who permits any employment of such child contrary to the provisions of this act, and every owner, superintendent or overseer of any factory, workshop, or mercantile establishment who employs, or permits to be employed therein any child contrary to the provisions of this act, and any other person who employs any child contrary to the provisions of this act, shall for every such offence forfeit not less than twenty or more than fifty dollars for the use of the schools of the city or town. A failure to produce to a truant officer or inspector of factories the certificate required by the provisions of this act shall be prima facie evidence of the illegal employment of the child whose certificate is not produced.



## WINTHROP SCHOOLHOUSE.

### Final Report of Building Committee.

Unexpended balance, Feb. 1, 1896.....	\$1,234 05
Appropriation March, 1896.....	\$2,100 00

\$3,334 05

#### EXPENDITURES.

Arthur C. Damon, Furniture.....	\$169 75
Wright Bros., Contract.....	450 00
“ “ Extra.....	23 94
George S. Perry & Co., Furniture.....	535 83
Charles E. Smith, Contract.....	1,480 00
“ “ Extra.....	92 32
Walker & Pratt, Heating and Ventilating.....	661 00
Burnham & Clossen, Painting walls.....	152 00
A. H. Plouff, Furnishings.....	66 30
Foster Russell, Labor on Fence.....	25 33
S. F. Canney, Lumber.....	16 63
Alonzo Butler, Painting Fence.....	30 90
F. E. Burnham, Foundation for Furnaces.....	33 17
Gas Company, Laying pipes.....	15 22
Chas. H. Andrews, Flagstaff.....	75 00
Geo. Spencer, Labor.....	6 25
David Lowe, Labor.....	2 40
Barton & Williams, Stone Posts.....	9 75
Geo. Fall, Cedar Posts.....	4 00
Edward Dole, Gravel.....	7 70
Geo. G. Dexter, View.....	2 25
Engraving Company. Half Tone.....	6 00
C. S. Tyler, Clocks.....	17 00
John Doyle, Labor.....	5 40
Gwin's Express, Teaming.....	50
Howe's Express, Teaming.....	2 00
Tenney's Express, Teaming.....	4 35

\$3,894 99

Amount in excess of appropriation.....	\$560 94
The entire cost of the Winthrop School plant has been.....	\$12,660 94



# Order of Exercises

At the Dedication of the

✻ WINTHROP SCHOOLHOUSE, ✻

Ipswich, Mass., April 1, 1896.

- 
- |                                      |   |                           |
|--------------------------------------|---|---------------------------|
| 1. Singing,                          | - - - - -                                 | Chorus of Children        |
| 2. Invocation,                       | - - - - -                                 | Rev. Mr. Harris           |
| 3. Preliminary Address,              | Chairman of the School Committee,         |                           |
|                                      | Dr. G. E. Macarthy.                       |                           |
| 4. Historical Address,               | - - - - -                                 | John W. Nourse            |
| 5. Singing,                          | - - - - -                                 | High School Quartette     |
| 6. Address,                          | Secretary of the State Board of Education |                           |
|                                      | Frank A. Hill.                            |                           |
| 7. Singing,                          | - - - - -                                 | High School Quartette     |
| 8. Dedictory Prayer,                 | - - - - -                                 | Rev. T. F. Waters         |
| 9. Dedictory Ode,                    | - - - - -                                 | Mrs. H. E. Noyes          |
| 10. Duet.—Piano and Violin,          | - - - - -                                 | Jennie and Harry Hamblett |
| 11. Remarks by Selectmen and Others. |   |                           |
| 12. Singing,                         | - - - - -                                 | Children's Chorus         |
| 13. Original Hymn.                   | (America.)                                | Audience                  |
| 14. Benediction,                     | - - - - -                                 | Rev. M. H. Gates          |
- 

## NEXT SCHOOL YEAR.

First term, 15 weeks, begins Tuesday, Sept. 7 and closes Friday, Dec. 17, 1897. Vacation of two weeks.

Second term, 13 weeks, begins Monday, Jan. 3, and closes Friday, April 1, 1898. Vacation of one week.

Third term, 12 weeks, begins Monday, April 11, and closes Thursday, June 30, 1898.

There will be no school on Friday of Thanksgiving week or any of the legal holidays.

Regular meeting of the School Committee, Tuesday evening before the first Wednesday in each month, at 7:30 o'clock,

In conclusion the committee regret that the generous appropriation made by the town for the completion of the new schoolhouse, was found insufficient to meet all the expenses, (some of which were unexpected and impossible to anticipate) although due care and economy has been practiced in its disbursement.

We recommend the following appropriations for the year 1897:

For High School (as per contract).....	\$1350 00
For Common Schools, (Teachers' salaries)	9400 00
For Text Books and supplies.....	900 00
For care of School Buildings.....	600 00
For Fuel.....	650 00
For Repairs.....	400 00
Total,	<u>\$13.300 00</u>

GEO. E. MACARTHY,  
JOHN H. COGSWELL,  
JOHN W. NOURSE.  
CHARLES W. BAMFORD,  
CHARLES S. CUMMINGS,  
HARRIET E. NOYES,

School Committee

## BURLEY FUND.

The Trustees of the Burley Education in Ipswich, present to the  
Inhabitants of Ipswich in legal meeting assembled their

### Seventy-Second Annual Report.

The Funds in their hands consists of fifteen shares of  
Capital Stock of the Portsmouth, Saco and Portland  
R. R. Co., the market value whereof is about \$115.

per Share and the total value thereof being about...	\$1,725 00
One Note of the Town of Ipswich for.....	3,500 00
Deposit in the Salem Savings Bank.....	925 01
Deposit in the Salem Five Cent Savings Bank.....	809 06
Deposit in the Ipswich Savings Bank.....	3,654 16
Caldwell Fund in Ipswich Savings Bank.....	659 70

Total amount of Fund.....	\$11,722 93
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The income of said Fund since the last Report is as fol-  
lows to wit:

Interest from Salem Five Cent Savings Bank.....	\$ 31 40
Interest from Salem Savings Bank.....	35 90
Interest from Ipswich Savings Bank.....	131 92
Interest on Caldwell Fund.....	25 60
Interest on Town Note.....	175 00
Dividends on 15 Shares P. S. & P. R. R.....	90 00

Total income.....	\$ 489 82
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The Expenses have been as follows to wit:

Paid Laura A. Hubbard for teaching musics in Schools.	\$ 210 00
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Balance being income over expenses.....	\$ 279 82
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Dated this First Day of February, A. D., 1897.

Charles A. Sayward,  
John H. Cogswell,  
Frank T. Goodhue,  
William Willcomb,  
Nathaniel R. Farley,

Trustees  
of  
Burley Education  
Fund in  
Ipswich.

## Feoffees of Grammar School.

The Feoffees of the Grammar School of Ipswich, submit  
the following report, February 1, 1897.

DR.	CR.
Cash in the hands of Treasurer as shown in reports submitted to the town at the annual town meeting, March, 1896. \$ 93 30	March and June, '96, paid John P. Marston on account of his salary as Master of Grammar School. for year ending June 30, 1896, \$150 00
Received from land rent under houses on Little Neck, for year ending Dec. 31, 1895. 132 00	June and July, '96, paid Gilmore & Webber, for building addition to house at L. Neck, 842 87
Withdrawn (June and July, 1896) from Ipswich Savings Bank, to pay for the new building at Little Neck. 842 87	Expense of insurance on house at L. Neck, 16 00
Received from Henry L. Cook, for rent of House and land at Little Neck, for year ending March 31, 1897. 100 00	Paid Geo. F. Smith, for plans and spec'ions 6 50
Received from rent of Neck Rights due in 1890. 10 00	Paid Rollins for taking timber to Little Neck, and placing same at bottom of bank next to Ipswich River, 29 80
Received from one year's interest on Lynn Water Bond, 200 00	July 20, paid Augustine Staniford for painting new house at Little Neck, 10 00
Received one year's interest on deposits in Ipswich Savings Bank, 57 06	Aug. 6, paid Wright Bros. for pumps, platforms for wells, sheet iron chimney at new house at L.N., 31 20
	Sept 20, paid T. F. Cogswell for paint, fence wire, sewer pipe, etc., 18 21
	Paid Foster Russell for building new platform and walk and repairs on house and barn, 26 85
	Sept. Paid Chas. Putnam for plans and survey for a new wharf to submit to Harbor Commissioners, 26 00
\$1,435 23	\$1,157 43



## Feoffees Report of Grammar School—Continued.

DR.	CR.
Amt. brought forward \$1,435 23	Amt. brought forward, \$1,157 43
	Paid S. F. Canney for lumber used by Foster Russell at L. N., 28 37
	Sept. 25, paid A. H. Plouff for pump, 6 65
	Oct., Nov., and Dec., paid A. B. Rogers, for painting house and barn at L. Neck 60 00
	Nov. and Dec, paid H. L. Cook for work on on drains & wharf, 10 00
	Paid J. W. Goodhue, for nails, etc., 2 36
	Paid Independent for printing notices 2 50
	Paid A. W. Brown for plowing for road at Little Neck. 6 50
	Paid sundry small charges, 4 10
	Cash in hands of the Treasurer, 157 32
<u>\$1,435 23</u>	<u>\$1,435 23</u>

The funds of the Feoffees are invested as follows:

Two house lots in town of Revere, (valued at) ....	\$1,000 00
Little Neck with present improvements, (valued at)	4,500 00
School Farm (so called) in Essex, (valued at) .....	1,000 00
One \$4,000 5% Water Bond of Lynn.....	4,000 00
On deposit in the Ipswich Savings Bank.....	1,412 83
	<u>\$11,912 83</u>

THEO. F. COGSWELL, Treasurer.

Ipswich, February 2, 1897.

I have examined the foregoing statement and find it correct as  
per vouchers. HENRY F. DUNNELS. Auditor.









# TOWN OF IPSWICH.

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THIRD REPORT

—OF THE—

## Water Commissioners.

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FOR THE YEAR 1896.



IPSWICH, MASS.:  
CHRONICLE PUBLISHING CO.  
1897.



# Report of Water Commissioners.

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## *To the Citizens of Ipswich:*

In presenting their third report, the Board of Water Commissioners beg to say that during the year past, the operation and use of the Water System has been very satisfactory, repairs have been at the minimum and the working of the various portions of the plant have come fully up to the expectations of the Board. There has been a gratifying increase in the services put in during the year, showing a due appreciation on the part of the inhabitants of the town, of the benefits to be derived from the use of good, pure water for domestic uses.

The receipts from the sale of water during the year 1896 have been \$5924.76, showing a much larger increase than was estimated by the Board one year ago. There have been 110 taps made in the mains with additional takers of 176, making a total of 698 takers to date.

There are now 74 per cent. of all the Houses along lines of Mains as now laid, who are supplied, leaving 24 per cent. to be put in. Of this 24 per cent it is safe to say one half only can be counted upon that will eventually avail themselves of the privilege.

The Board of Commssssioners have during the year past added a little in the way of Construction where, in their

judgment it was necessary. At the Storage Basin the bridge over the brook at the upper end of Basin has been completed and graded. Land on the Oliver Bailey estate graded, and a small portion of low swamp land filled in at a point where the water from Basin, when at high water mark, overflowed, causing this surface in the warm weather to be objectionable. The waste-way has been completed with heavy stone capping, and a more substantial dam built with heavy stone work placed under the fall at the base of the dam. A brick and stone cess-pool has been constructed at the Pickard house. This was deemed advisable for sanitary purposes, and to prevent possible pollution of water in Basin from the drains at this point. Hose piping and play pipes have been added to the Pumping Station, to comply with demands of insurance companies.

It was necessary to change the wiring and poles for wires on a portion of Town Hill connecting the Reservoir with Pumping Station, owing to the fact that owner of land revoked the permit previously given, permitting the poles and wires to cross his land.

The additions to Pipe Line, authorized at last annual Town meeting, have been made. Two (2) hydrants set at the Village, one (1) on Topsfield Road extension, and one (1) hydrant set near Brickyard of Brown Bros. Connections to mains have been made for Canney Building, Shoe Factory, Boston & Maine Railroad and for the Ipswich Mills on Peatfield street, all of which have been charged to cost of construction

The Board of Commissioners have during the year revised the prices of water rates, in order that same may be made a little more equitable. The abuse on part of some sill-cock takers during the past year has been very great. The new rule giving one (1) hour's use in the morning and one (1) hour in the evening, is intended to partly stop this abuse. The price for use of sill-cock has been reduced to those consumers who take water for household purposes. The Meter price has also been reduced, in order that those



consumers who wish to use water at other parts of the day than prescribed in the new rules, may do so by applying for meters.

The charges for maintenance the past year are higher than they should be, owing to the fact that two (2) years salary of the Commissioners have been paid during the year, and all other items, except those for actual construction charged to this account. A detailed summary of this account is given on a separate page of this report, wherein the items are classified.

The Board of Commissioners issued calls for bids, June 22. on the authorized issue of \$6,000, Water notes. Bids were received as follows:—

A. D. Bosson,	101.250.	Estabrook & Co.,	101.193
A. L. Sweetser & Co.,	101.341.	E. H. Rollins & Sons,	101.300
G. W. Harris & Co.,	101.035.		

Messrs. A. L. Sweetser & Co.'s bid being the highest, the same was accepted by the Board. When the notes were examined and the town vote authorizing same, the attorneys for the purchasers were not satisfied with the form of the vote passed by the town, it was therefore necessary to call a town meeting to change the vote so that same would be acceptable to the purchasers and their attorneys. This was accordingly done and upon further examination the notes were refused on the ground that no sinking fund had been provided for payment of same at maturity. The reasons for the issue of notes were that the town could pay them off at maturity without a sinking fund. After repeated attempts to sell these notes without a sinking fund provisions, which were fruitless, the Board decided that it was the best to issue bonds on 30 years, 4 per cent., with sinking fund provisions. A town meeting was called, and authority procured for this issue, rescinding the former vote. At this time the money market was in such a state of chaos, that it would not be wise to offer bonds, until the Presidential election had taken place. The Board therefore decided that it was better to secure a loan for a short time

and defer the call for bids on the bonds until financial matters were in a more settled state. A call for bids on these bonds was issued for December 14th, and the following offers recieved: —

Blake Brothers,	104.150.	E. H. Gray & Co.	105.790.
Jose, Parker & Co.,	105.7904.	Estabrook & Co.,	105.899.
A. L. Sweetser & Co.,	104.539.	N. W. Harris & Co.,	106.1875.
R. L. Day & Co.,	105.810.	Kunniscott & De Witt,	103.590
Newburyport Institute of Sayings,			* * * *

The award was made to Messrs. N. W. Harris & Co, as being the highest bid.

The Board of Commissioners have paid the \$2000 town notes (with interest) issued for the Salem Road extension, and have applied the remainder to payments on construction account. There is a balance, over payments made on this account to date, of 695.70. This sum the Board of Commissioners think will cover all needs for service pipe construction for the year 1897, unless the calls for meters should be excessive.

The suit for settlement of land damage now in Court, has not as yet reached a hearing and remains the same as reported a year ago.

The Board of Commissioners present in this report a detailed account of payments made during the year, giving the names to whom payments were made, what each payment was for, and the account to which same was charged. The receipts and expenditures for the year are given, together with a balance sheet, showing the total amounts of receipts to date, on the whole of the system and the total amount of disbursements to date. It is hoped these will convey a clear and concise idea of the finances to the citizens of the town.

The receipts for sinking fund with investment of same, is also given.

In compliance with request made at the last annual town meeting, that the Board of Water Commissioners secure bonds for the clerk of the Water Board, it was decided to

transfer, Jan. 1st, 1897, all funds in the way of cash to the Town Treasurer, making him the custodian of all funds in the way of receipts and, also have him make all payments on behalf of the Water Department of the town.

In conclusion, the Board of Commissioners estimate receipts for 1897 to be \$6250, the disbursements \$9839.08. They recommend an appropriation of twenty-five (25) dollars per hydrant for fire service, amounting to \$2775, and one thousand (\$1000) dollars towards sinking fund requirements. This with the income from water sales, and a cash balance of \$594.68, will enable them to meet all expenses for year 1897.

Respectfully submitted,

E. H. MARTIN,  
W. S. RUSSELL,  
W. E. LORD.

*Commissioners.*

**I. LIST OF BILLS AND AMOUNTS PAID FOR THE  
YEAR ENDING DECEMBER 31st, 1896.**

PAID TO	FOR WHAT	AM'TS.	AC.APPLIED TO
P. A. Allen.....	Engineers services to Jan. 11.....	\$30 00	Maintenance
F. Larouche.....	Labor.....	1 35	"
Elmer C. Smith.....	"	1 28	"
Ipswich Gas Light Company .....	Gas, Nov. 1 to Dec. 31	70	"
C. O. Amazeen.....	Office rent for Dec- ember.....	6 00	"
John W. Goodhue..	Sundries at Pumping Station .....	2 59	"
P. A. Allen.....	Engineers services to Jan. 25.....	30 00	"
Cotton & Woolen M. M. Ins. Co.....	Insurance Premium	48 33	"
American Ex. Co...	Expressage.....	60	"
Hersey Manf'g. Co..	Repairs on meters...	4 75	"
John A. Blake.....	Telephone.....	3 90	"
Thomas H. Lord....	Grass seed.....	39	"
Standard Therm. Co.	Dials for Telemeter	5 00	"
Walworth Mfg. Co..	Hand Lamp.....	28	"
P. A. Allen.....	Engineers services to Feb. 8.....	30 00	"
Charles M. Kelly...	Extra salary as clerk for 1895.....	50 00	"
" "	Salary for January..	20 83	"
John Cronin.....	Labor.....	70	"
Moses Bushey.....	"	1 70	"
John Doyle.....	"	4 00	"
Charles F. Wilcox..	Sundry supplies....	4 70	"
C. O. Amazeen.....	Office rent for Jan- uary.....	6 00	"
Ipswich Gas Light Company .....	Gas for January....	35	"
Ebin R. Smith.....	Blank books.....	25	"
Michael Laffy.....	Labor.....	1 80	"
National Meter Co..	Meters.....	21 00	Services
P. A. Allen.....	Engineers services to Feb. 22.....	30 00	Maintenaces
Chronicle Pub. Co..	Annual reports.....	42 45	"
G. A. Schofield, P.M.	150 Wrappers.....	1 65	"
Allan W. Brown....	Hauling gravel.....	2 00	"
Charles M. Kelly....	Salary for February	20 83	"
P. A. Allen.....	Engineers services to March 7.....	30 00	"



PAID TO	FOR WHAT	AM'TS.	AC.APPLIED TO
A. D. Mallard.....	Distributing reports	\$ 4 50	Maintenance
Thomas P. Thomas	Labor and Materials on Pump. Station	\$30 64	Pump. Station Maintenance
C. O. Amazeen.....	Office rent for Feb- ruary.....	6 00	"
G. A. Schofield, P.M.	Stamps .....	1 00	"
Clifford F. Chapman	Repairing tape line	30	"
P. A. Allen.....	Engineers services to March 21.....	30 00	"
Jackson Express Co	Expressage on fitting	2 30	Services
Moses Bushey.....	Labor.....	1 60	Maintenance
Charles M. Kelly...	Salary for March....	20 83	"
Moses Bushey.....	Labor.....	3 70	"
P. A. Allen.....	Engineer services to April 4.....	30 00	"
Ipswich Gas Light Company .....	Gas for month of Feb	35	"
Wright Brothers....	On service contract..	100 83	On 1895 acc't.
" " "	" " "	53 74	Services
Moses Bushey.....	Labor.....	3 70	Maintenance
G. L. Parsons.....	"	60	"
P. A. Allen.....	Engineer services to April 18.....	30 00	"
Albert Tenney.....	Moving office furni- ture.....	1 00	"
Allan W. Brown....	Hauling ashes.....	1 00	"
Aaron Lord.....	Repairing road.....	4 60	"
S. F. Canney.....	Lumber and sawing	2 05	Pump. Station
Chas. S. Osgood, Reg	2 copies of takings..	1 75	Land Damages
P. A. Allen.....	Engineers services to May 2.....	30 00	Maintenance
Standard Oil Co....	Double Cabinet Oil Tank.....	36 00	Pump Station
E. H. Martin.....	Salary for 1895.....	100 00	Maintenance
Walter E. Lord.....	" " "	100 00	"
W. S. Russell.....	" " "	100 00	"
Boston & Maine R.R.	Milage Book.....	20 00	"
Jackson Express Co.	Expressage on cast ing .....	25	Pipe Line
" "	Expressage on oil tank .....	75	Pump. Station
P. A. Allen.....	Engineers services to May 16.....	30 00	Maintenance
Independent Pt'g Co	Bill Heads.....	2 00	"
G. A. Schofield, P. M.	Stamps.....	1 00	"
H. A. Russell.....	Cedar poles and set- ting .....	15 80	"
M. J. Drummond...	Iron pipe.....\$598 16 Less freight and damaged pipe 94 07	504 09	Pipe Line

PAID TO	FOR WHAT	AM'ts.	AC. APPLIED TO
Hersey Man'f'g Co..	Repair on meters...	\$ 2 50	Maintenance
Wright Brothers....	On contract.....	175 00	Services
Chapman Valve Mfg Company. ....	4 Hydrants.....	105 23	Pipe Line
Chadwick Lead wrk	Lead pipe.....	202 47	Services
Sumner & Goodwin	Fitting.....	16 53	"
Builders Iron Foun- dry.....	Castings .....	45 60	Pipe Line
A. H. Plouff.....	Mat .....	1 65	Maintenance
Boston & Maine R.R.	Freight on pipe, etc.	102 70	Pipe Line
" "	" " lead pipe and fittings.....	6 74	Services
Charles M. Kelley..	Salary for April and May.....	41 66	Maintenance
American Exp. Co.	Express on meters..	45	Services
" " "	" " sundries	75	Pipe Line
Walworth M'f'g. Co,	Fittings.....	112 55	Services
A. D. Mallard.....	Cartage of iron pipe	75	Pipe Line
" "	" " lead pipe	1 75	Services
P. A. Allen.....	Engineers services to May 30.....	30 00	Maintenance
Jackson Express Co.	Expressage on fit- tings .....	30	Services
John Doyle.....	Labor .....	12 00	Maintenance
G. A. Schofield, P. M.	Stamps.....	2 00	"
P. A. Allen.....	Engineers services to June 13.....	30 00	"
" "	Engineers services to June 27.....	30 00	"
Thomas E. Condon, Treas.....	Interests on bonds..	2600 00	Inter. on Bond
W. E. Lord.....	Services for 1894....	500 00	Construct'n ac.
G. A. Schofield, P. M.	Stamps.....	5 00	Maintenance
H. P. Hutchinson..	Changing telemeter wire.....	22 00	"
Salem Water Dept..	4 in. Iron pipe.....	11 50	Pipe Line
Wright Brothers....	On contract.....	200 00	Services
Charles M. Kelly....	Salary for June....	20 83	Maintenance
Chronicle Pub. Co..	Notices, bills, etc....	10 05	"
Independent Print'g Comp'y.....	Advertisement.....	1 25	"
P. A. Allen.....	Engineers services to July 11.....	30 00	"
A. D. Mallard.....	Cartage of lead pipe, etc.....	75	Services
" "	Cartage of hose....	75	Maintenance
C. W. Brown.....	Office rent for April, May and June....	33 33	"
Sumner & Goodwin	Fittings .....	24 25	Services
Walworth M'f'g Co..	"	71 77	"
National Meter Co..	Meters .....	254 20	"

PAID TO	FOR WHAT	AM'TS.	AC.APPLIED TO
Hersey Man'fg Co..	Meter .....	\$ 8 40	Services
" "	Repairs ...	60	Maintenance
Chadwick Lead wrk	Lead pipe.....	137 41	Services
Builders Iron Foun-			
dry.....	Castings .....	72 93	Pipe Line
Taunton Locomo-			
tive M'fg. Co.....	Gate Boxes.....	13 00	"
Albert Tenney.....	Teaming .....	1 55	Maintenance
Epes Norwood.....	Labor .....	4 10	"
C. B. Guilford.....	" .....	75	Pipe Line
P. A. Allen.....	Engineers services		
	to July 25.....	30 00	Maintenance
John Doyle.....	Labor ...	1 50	Pipe Line
" "	" .....	4 00	Maintenance
Ebin R. Smith.....	Blank book.....	75	"
American Exp. Co.	Express .....	15	"
	Amount carried to		
	Sinking Fund.....	1759 50	Sinking Fund
Boston & Maine R.R.	Freight on pipe, ...	2 96	Pipe Line
" "	" " lead pipe	5 69	Services
Ipswich Gas Light			
Company.....	Gas consumed dur-		
	ing Mar. April, May		
	and June.....	1 05	Maintenance
W. S. Russell.....	Towels .....	38	"
F. T. Goodhue.....	Grass Seed.....	5 50	"
Charles M. Kelly..	Salary for July ...	20 83	"
George F. Shearman	Washing floor and		
	windows ..	1 25	"
A. D. Mallard.....	Teaming.....	1 00	"
P. A. Allen.....	Engineers services		
	to Aug. 8.....	30 00	"
Wright Brothers....	On contract.....	40 00	Services
John W. Goodhue..	Sundry tools.....	5 33	Maintenance
" "	Hose .....	5 75	Pump. Station
Leonard & Ellis....	Oil.....	50 33	Maintenance
Barton & Williams	Stone work.....	59 50	Storage basin
Chelmsford Foun-			
dry Co.....	Cover for Cess Pool	2 60	" "
Chadwick Lead wrk	Lead Pipe.....	101 59	Services
Walworth M'fg. Co,	Fittings .....	37 65	"
M. J. Judge.....	Building piers.....	20 00	Pipe Line
" "	Labor .....	129 12	Storage basin
A. W. Brown.....	Teaming .....	6 75	Maintenance
Ipswich Mills.....	Cement .....	3 95	"
David Cotton.....	Labor .....	4 00	"
A. D. Mallard.....	Teaming .....	2 00	"
P. A. Allen.....	Engineers services		
	to Aug. 22.....	30 00	"
D. A. Grady.....	Transportation ...	14 00	"
Charles M. Kelly....	Salary for August..	20 83	"



PAID TO	FOR WHAT	AM'ts.	AC.APPLIED TO
Charles F. Wilcox..	Sundry tools.....	\$ 3 40	Maintenance
Independent Pt'g Co	Advertisement .....	75	"
C. W. Brown.....	Office rent for July..	8 33	"
P. A. Allen.....	Engineers services to Sept. 5.....	30 00	"
Ipswich Mills.....	Coal.....	354 00	"
Chronicle Pub. Co..	Advertisement.....	1 75	"
George Harris.....	Use of Land.....	1 00	"
P. A. Allen.....	Engineers services to Sept. 19.....	30 00	"
Jackson Express Co.	Expressage .....	30	"
Independent Print'g Comp'y.....	Notices .....	75	"
G. A. Schofield, P.M.	Stamps.....	2 00	"
J. P. Langmaid & Sons .....	Cement.....	28 60	"
Allan W. Brown....	Teaming .....	9 00	"
John Doyle.....	Labor.....	7 00	"
Oliver Bailey.....	Stone.....	6 00	Storage Basin
M. J. Judge.....	Labor..... \$62 90		
" "	Less sundry charges ....	12 30	
		50 60	"
John Cashman.....	On contract.....	500 00	Pipe Line
Mutual Boiler Ins Co.....	Insurance on boilers	24 00	Maintenance
S. J. Goodhue....	Use of boat at Basin	2 00	"
Charles M. Kelly....	Salary for Sept.....	20 83	"
Allan W. Brown....	Labor and teaming	17 65	"
Walworth M'fg Co..	Fittings .....	28 75	Services
Chadwick Lead w'ks	Lead Pipe.....	49 94	"
N. N. Jones.....	Legal advice and ser- vices.....	25 00	Maintenance
Jackson Express Co.	Express on meters..	1 15	Services
P. A. Allen.....	Engineers services to Oct. 31.....	90 00	Maintenance
F. J. Dibble.....	Adjusting T. meter	4 00	"
Est. W. G. Brown....	Teaming coal to Sta- tion.....	45 06	"
Wright Brothers....	On Contract.....	100 00	Services
First National Bank	Interest .....	10 50	Int. on Notes
Thomas E. Condon, Treas.....	Town notes for Sa- lem Road Exten- sion.....	2000 00	
A. D. Mallard.....	Teaming .....	2 25	Maintenance
W. S. Russell.....	Expenses to Attle- boro .....	4 10	"
C. W. Brown.....	Office rent for Aug and Sept.....	16 67	"



PAID TO	FOR WHAT	AM'TS.	AC. APPL'D TO
Ipswich Gas Light Company .....	Gas for July.....	\$ 35	Maintenance
C. F. Wilcox.....	Oil.....	50	"
Boston & Maine R.R.	Freight.....	1 72	"
" " " "	" on Lead Pipe	3 79	Services
A. H. Plouff.....	Sundry articles for office .....	36	Maintenance
" " " "	Labor .....	2 50	Services
Ipswich Mills.....	Fire Hose and Play Pipe .....	51 00	Pump. Stat.
" " " "	Labor and Materials	21 85	Maintenance
Epes Norwood.....	Labor.....	66 45	"
Charles M. Kelly....	Salary for October..	20 83	"
J. C. Underhill....	Labor.....	57 86	Stor. Basin
John W. Goodhue ..	Sundry Tools.....	1 90	Maintenance
C. W. Brown.....	Office rent for Oct	8 33	"
Ipswich Gas Light Company .....	Gas for month of Oct	35	"
P. A. Allen.....	Engineers services to Nov. 28.....	66 00	"
Jenkins Brothers...	Street Packing. ....	11 05	"
A. W. Chasterton & Co	" " " "	6 90	"
Epes Norwood .....	Labor.....	5 32	"
A. D. Mallard.....	Teaming .....	1 00	"
John Doyle .....	Labor .....	1 80	"
Chalwick Lead wks	Lead Pipe.....	38 98	Services
Boston Bolt Co.....	Bolts .....	2 93	Maintenance
American Ex. Co....	Expressage .....	25	"
P. A. Allen.....	Engineer services to Dec. 12.....	33 00	"
Frank H. Howe ....	Teaming .....	1 00	Services
" " " "	" " " "	85	Maintenance
T. E. Condon, Treas.	Interest on bonds..	2600 00	Int. on Bonds
Chronicle Pub. Co..	Notices & Billhead:	7 75	Maintenance
D. A. Grady.....	Teams.....	4 00	"
Frank T. Goodhue..	Grass seed.....	1 15	"
A. D. Mallard.....	Teaming .....	1 00	"
Hersey Man'g. Co..	Pistons and spindle:	3 60	"
P. A. Allen.....	Engineer services to Dec. 26.....	33 00	"
W. S. Russell .....	Transportation ...	1 55	"
G. F. Shearman....	Washing office floor	60	"
Wright Brothers....	On contract.....	165 59	Services
Charles M. Kelly..	Salary for Nov. and Dec.....	41 66	Maintenance
T. F. Cogswell .....	Drain Pipe.....	8 25	"
Ebin R. Smith .....	Envelopes.....	80	"
Lyman B. Brooks..	Printing Bonds....	45 00	Construct'n ac.
John Cashman.....	Balance of Contract	40 09	Pipe Line
Ebin R. Smith.....	Books .....	1 05	Maintenance
American Exp. Co.	Express on Bonds..	15	"

PAID TO	FOR WHAT	AM'TS.	AC. APPL'D TO
G. A. Schofield, P.M.	Stamps.....	\$ 4 00	Maintenance
John M. Dunnels..	Labor.....	1 50	"
" "	Setting Meters.....	5 00	Service
James Graffum....	Labor.....	1 65	Maintenance
John W. Goodhue	Sundry supplies....	1 81	"
Ipswich Gas Light	Gas used in Nov.		
Company .....	and Dec.....	70	"
C. W. Brown.....	Office rent for Nov.		
	and Dec.....	16 66	"
George Spencer....		2 50	"
E. H. Martin .....	Salary for 1896.....	100 00	"
Walter E. Lord.....	" " "	100 00	"
W. S. Russell.....	" " "	100 00	"
E. H. Martin.....	" 1894	500 00	Cons'tion acc.
W. S. Russell.....	" "	500 00	"
T. E. Condon.....	Interest on Notes..	78 75	Int. on Notes
First National Bank	" " "	9 07	"
		17280 50	

## II. MAINTENANCE ITEMS.

Commissioners Salaries, 1895.....	\$300 00
"                    "      1896.....	300 00
Engineer's services.....	792 00
Clerk's salary.....	299 96
Supplies .....	91 72
Office rent.....	101 32
Gas .....	3 85
Repairs .....	276 29
Printing and advertising .....	66 75
Stationery, stamps and books.....	23 74
Insurance.....	72 33
Fuel.....	399 06
Miscellaneous items.....	117 82
Total,	\$2 844 84

## III. RECEIPTS AND DISBURSEMENTS FOR YEAR ENDING DECEMBER 31, 1896.

RECEIPTS.		DISBURSEMENTS.	
Balance from last report.....	\$1201.51	Land damage...	\$ 1.75
Bonds and premiums .....	6371.25	Pumping station	126.19
Water rates.....	5709 72	Storage basin...	305.68
Services .....	779 39	Pipe Line Con.	1427.15
Hydrant service..	2675 00	Services .....	1871.24
Sinking fund.....	1759 50	Miscellaneous expenses .....	1545.00
Fishing rights.....	15.00	Int. on Bonds and Notes.....	5298.32
Hay .....	10.00	Sinking fund..	1759 50
Pipe and materials .....	29.91	Town notes.....	2000.00
Dividend on Insurance .....	9.60	Services due on 1895 acct.	100 83
Salefruit at Basin	10.00	Maintenance .....	2844.84
		Total,	\$17280.50
		Bal. on hand Dec.31	1290.38
	\$18570.88		\$18570.88

## IV. COMMISSIONERS' BALANCE SHEET—1896.

DR.		CR.	
Bonds and premi- ums..... ..	144,254.58	Engineering.....	3350.00
Interest .....	292.70	Land Damage and Right of Way .....	2501.40
Water rates, \$9332.69		Pumping Station	10047.41
Less un- paid, 360.36	8,972.33	Pumps and Pump ing Machinery	8298.46
Appropriations ...	13,934.50	Storage Basin...	27673.59
Amount due on service contract	25 00	Bull Brook Sup- ply.....	1778.60
		Distributing Res- ervoir.....	17827 56
		Pipe Line Con- struction, 62,988.06	
		Extensions, 1,577.30	64565.36
		Service Pipe Con- struction .....	5172 05
		Miscellaneous expenses .....	2637.15
		Cost of Construc- tion to date...	143851.58
		Materials and supplies on hand	1714.63
		Int. on Bonds & Notes	12498 32
		Maintenance Ex.	4561.88
		Services unpaid..	34.14
		Sinking Fund.....	3528.18
		Cash on hand Dec.31	1290.38
			\$167,479.11
	\$167,479.11		



## V. SUMMARY OF COST OF CONSTRUCTION TO DATE.

JANUARY 1, 1897.

Construction account	JAN. 1st, '96	YEAR 1896	TOTAL
Engineering .....	\$ 3,550 00	—	\$3,350 00
Land Damages, etc.....	2,499 65	\$1 75	2,501 40
Pumping Station.....	9,925 97	121 44	10,047 41
Pumps and Machinery.....	8,298 46	—	8,298 46
Storage Basin.....	27,392 91	280 68	27,673 59
Bull Brook Supply.....	1,778 60	—	1,778 60
Distributing Reservoir.....	17,827 56	—	17,827 56
Pipe Line Construction.....	62,988 06	1,577 30	64,565 36
Services .....	3,907 02	1,265 03	5,172 05
Miscellaneous Expenses.....	1,092 15	1,545 00	2,637 15
	\$139,060 38	\$4,791 20	\$143,851 58

## VI. SINKING FUND.

RECEIPTS	INVESTMENTS
Appropriation, 1895.... \$1700 00	Town of Ipswich School
“ 1896.... 1759 50	Notes.....\$2000 00
Interest ..... 68 68	Ipswich Savings Bank 1528 18
\$3,528 18	\$3,528 18

## AUDITOR'S REPORT.

I certify that I have examined the books of the Water Commissioners, and find that the statements rendered are correct, vouched for and correctly cast.

HENRY F. DUNNELS, Auditor.

Ipswich, Jan. 23, 1897.

## ENGINEER'S REPORT.

*To the Board of Water Commissioners:*

GENTLEMEN: I herewith present my report for the year ending December 31, 1896.

The buildings at the Pumping Plant are in good condition.

The pumping-engines, condensers, feed-pumps and boilers are in good condition, and are doing their work in a satisfactory manner.

We have used 93 110-2240 tons of coal, which amount embraces banking fires, keeping up steam, heating the pumping station and pumping.

There has been pumped 27,089.705 gallons of water, as follows:

In January, 1,834,529 gallons.	In July, 4,049,800 gallons
In February, 1,209,414 gallons.	In August, 3,052,665 gallons
In March, 1,158,592 gallons,	In September, 2,169,020 gallons.
In April, 1,358,546 gallons.	In October, 2,174,405 gallons.
In May, 2,588,159 gallons.	In November, 2,068,980 gallons.
In June, 3,445,820 gallons.	In December, 1,979,775 gallons.

We have had but four leaks on the main pipes, as follows: two joint leaks on 10 inch pipe. and one joint leak on 6 inch pipe and one sand hole in 8 inch pipe. There has been eight leaks on service pipes. which were all in the joints.

### SERVICES.

110 taps have been added the past year, making the total number to date 509, furnishing water as follows:

552 Families.	1 Restaurant.
37 Dwelling-houses, hose only.	1 Blacksmith shop.
7 Stables.	1 Drinking fountain.
32 Stores.	2 Mills.
2 Churches.	1 Granite works.
1 Public Library.	4 Bar rooms.
4 Lodge rooms.	1 Elevator.
4 Drug stores.	2 Printing offices.
9 Offices.	2 Pool rooms.
2 Hotels.	1 Greenhouse.
8 Boarding houses.	1 Gashouse.
5 Schoolhouses.	2 Saw mills.
3 Bakeries.	3 Shoe shops.
3 Laundries.	1 Bottling works.
3 Barber shops.	1 Photo Studio.
2 Markets.	Total 698.

And the fixtures are:

1,913 Faucets, 52 Bath tubs, 84 Water closets, 14 Urinals,  
264 Sill-cocks.

### METERS.

Sixteen meters have been set this year, the total number now in use is 45, as follows:

	5-8 inch.	1 inch.	Totals.
Crown,	11	1	12
Hersey,	30	1	31
Nash,	1		1
Elevator Indicator,		1	1
			<hr/> 45

### MAINS.

Twenty-four feet of 10 inch pipe, and 2.430 feet of 6 inch pipe have been laid the past year. The total number of feet of mains now laid, is as follows:

14 inch.....	1,505
12 inch.....	10,963
10 inch.....	8,830
8 inch.....	17,897
6 inch.....	26,644
Total,	<hr/> 12.46 Miles.

## HYDRANTS.

Four hydrants have been set this year. The total number now in use is as follows:

	Totals.
Town.....	111
Private .....	6
	<u>117</u>

## STREET GATES.

Six 6 inch gates have been set the last year. The total number now in use is 126.

## SERVICE PIPE.

Following is an account of the number of feet of service pipe laid (by years) since the Works were put in. Kind of pipe, lead and galvanized iron. Sizes of pipe,  $\frac{3}{4}$  inch to 4 in.

	Town.	Private.	Totals.
	ft. in.	ft. in.	ft. in.
In 1894	4,470.4	2,771.2	7,241.6
In 1895	5,312.3	6,051.5	11,363.8
In 1896	2,391.9	2,616.5	5,008.2

4,47-|-Miles.

The water has been shut off, for the winter, of the services that are only used during the summer months.

Respectfully submitted,

P. A. ALLEN, Engineer.



(a)

**COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.**  
**WATER ANALYSIS (Parts in 100,000.)**

DATE OF Collec- tion.	APPEARANCE.			ODOR.		RESI- DUE.	AMMONIA		Clo- idine.	NITROGEN as		Oxy- gen Con- sumed.	Hard- ness.	Remarks
	Turbi- dity.	Sedi- ment.	Col- or.	Cold.	Hot.		Free.	Albu- minoid		Nit- rates.	Nit- rites.			
1896 Jan. 27	1896. Jan. 28	None	Very slight	None.	Dist. vegetable	4.20	.0004	.0118	.57	.0030	.0000	.6299	1.6	Dow's Brook.
Jan. 27	Jan. 28	Dis't clay'y	slight earthy	None.	Dist. vegetable	4.25	.0028	.0156	.58	.0050	.0000	.4446	1.6	Storage Basin.
Feb. 24	Feb. 25	Slight	slight	Dist. vegetable.	Dist. vegetable	5.60	.0016	.0194	.61	.0140	.0000	.8647	1.8	Bull Brook.
Feb. 24	Feb. 25	Slight	slight	None.	None.	4.00	.0006	.0092	.47	.0050	.0000	.2964	1.7	Dow's Brook.
Mar. 23	Mar. 24	Very slight	slight	Faint. vegetable	Dist. vegetable	4.85	.0000	.0180	.53	.0070	.0000	.9440	1.3	Bull Brook.
Mar. 23	Mar. 24	Very slight	slight	Faint. vegetable	Faint. vegetable	3.45	.0000	.0114	.49	.0050	.0000	.4561	1.1	Dow's Brook.
Mar. 23	Mar. 24	Dis't clay'y	slight earthy	Dist. sweetish	Dist. mouldy	3.55	.0042	.0154	.55	.0070	.0000	.4187	1.4	Storage Basin.
Apr. 28	Apr. 29	Slight	slight	Faint. vegetable	Faint. vegetable	4.05	.0008	.0120	.45	.0050	.0002	.4466	1.6	Dow's Brook.

(b)

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## WATER ANALYSIS (Parts in 100,000.)

DATE OF		APPEARANCE.		ODOR.		RESI- DUE.	AMMONIA		Chlorine.	NITROGEN as		Oxygen Consumed.	Hard- ness.	Remarks	
Collec- tion.	Exam- ina'n.	Turbi- dity.	Sedi- ment.	Col- or.	Cold.	Hot.	Total.	Free.		Albu- minoid	Nit- rates				Nit- rites.
1896 Apr. 28	Apr. 29	Dis'tet	slight	0.33	Dist. vegetable	Dist. vegetable	3.30	.0032	.0186	.58	.0080	.0002	.4196	0.9	Storage Basin. Bull
Apr. 28	Apr. 29	None.	slight	1.90	None.	None.	5.80	.0012	.0270	.61	.0070	.0002	1.3398	1.8	Brook. Bull
May 25	May 26	Slight	slight	1.30	Dist. mouldy and grassy.	Decid'y mouldy and grassy.	6.50	.0006	.0156	.69	.0050	.0001	.7800	2.6	Brook. Dow's
May 25	May 26	Slight	slight	0.22	Dist. pleasant.	Dist. mouldy.	3.85	.0002	.0060	.49	.0050	.0000	.1599	1.6	Brook. Storage Basin.
May 25	May 26	Slight	slight	0.30	Faint, vegetable	Faint, vegetable	3.95	.0014	.0122	.63	.0080	.0001	.2325	1.5	Bailey's Brook.
May 28	May 29	Slight	slight	0.25	Dist. fragrant	Faint, vegetable	5.10	.0012	.0122	.81	.0080	.0002	.2618	1.9	Pickard's Drain.
May 28	May 29	Dis'tet	brown cons.	0.20	Dist. vegetable.	Distinctly unpleasant.	17.60	.1280	.0530	4.55	.0420	.0035	.3619	3.4	Jewett's Brook.
May 28	May 29	Slight	slight	0.18	Dist. pleasant.	Faint, vegetable	6.15	.0006	.0114	.93	.0300	.0002	.2271	2.2	

(c)

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## WATER ANALYSIS (Parts in 100,000.)

DATE OF Collection.	Exam- ina'n.	APPEARANCE.			ODOR.		Resi- due.	AMMONIA		Chlorine.	NITROGEN as Nit- rites.		Oxygen Con- sumed.	Hard- ness.	Remarks
		Turbi- dity.	Sedi- ment.	Col- or.	Cold.	Hot.	Total.	Free.	Albu- minoid		Nit- rates	Nit- rites.			
1896 June22	1896. June24	Very Slight	Very slight	1.20	Dist. vegetable	Dist. vegetable	7.35	.0014	.0182	.70	.0080	.0001	1.2168	2.6	Bull Brook.
June22	June24	None.	slight	0.15	Dist. mouldy.	Decid'ly mouldy	4.25	.0004	.0058	.56	.0050	.0000	.1833	1.8	Dow's Brook.
June22	June24	Slight	slight	0.25	Dist. mouldy	Dist. mouldy	4.35	.0014	.0114	.69	.0050	.0001	.3783	1.7	Storage Basin.
July27	July 28	Dist.	slight	0.25	Faint.vegetable	Dist. vegetable	5.05	.0048	.0250	.70	.0030	.0000	.3500	2.0	Dow's Brook.
July27	July 28	slight	slight	0.25	Faint.vegetable	Faint. mouldy	4.90	.0012	.0134	.60	.0070	.0001	.2576	1.9	Storage Basin.
July27	July 28	Very slight	slight	0.37	Faint.vegetable	Dist. vegetable	6.85	.0002	.0170	.80	.0070	.0001	.3884	3.2	Bull Brook.
Aug.24	Aug25	slight	slight	0.33	Dist. vegetable and mouldy.	Dist. vegetable and mouldy.	6.55	.0018	.0108	.77	.0080	.0000	.2680	3.0	Bull Brook.

(d)

## COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## WATER ANALYSIS (Parts in 100,000.)

DATE OF Collec- tion.	DATE OF Exam- ina'n.	APPEARANCE.		ODOR.		RESI- DUE.	AMMONIA		Chlorine.	NITROGEN as Nit- rates		Oxygen Con- sumed.	Hard- ness.	Remarks
		Furbi- dity.	Sedi- ment.	Col- or.	Cold.	Hot.	Total.	Free.	Albu- minoid	Chlorine.	Nit- rates	Nit- rites.	Oxygen Con- sumed.	
1896 Aug. 24	1896. Aug. 25	Slight	slight	0.22	Dist. vegetable and mouldy.	Dist. vegetable and mouldy.	4.95	.0018	.0202	.72	.0070	.0000	.3888	Dow's Brook.
Aug. 24	Aug. 25	Slight	slight	0.20	Faint. mouldy.	Faint. mouldy	4.95	.0016	.0208	.72	.0030	.0000	.3349	Basin. Bull
Sept. 22	Sept. 23	None.	slight	2.60	Faint. vegetable	Dist. vegetable and astringent	11.15	.0034	.0622	.87	.0030	.0000	4.0290	Brook. D. B. as it ent. basin
Sept. 22	Sept. 23	Very slight	slight	0.50	None.	Faint. vegetable	5.10	.0006	.0144	.59	.0030	.0000	.5490	Basin at dam.
Sept. 22	Sept. 23	Dist. green	slight	0.48	Faint. mouldy and grassy.	Dist. mouldy and grassy	4.85	.0014	.0230	.68	.0000	.0000	.4108	Bull Brook.
Oct. 30	Oct. 31	Very slight	slight	1.80	Faint. vegetable	Dist. vegetable	8.40	.0002	.0390	.94	.0030	.0000	1.9250	D. B. as it ent. basin
Oct. 30	Oct. 31	Very slight	slight	0.65	Faint. vegetable	Dist. vegetable	4.90	.0004	.0110	.64	.0030	.0000	.7700	



(c)

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## WATER ANALYSIS (Parts in 100,000.)

DATE OF Collec- tion.	Exam- ina'n.	APPEARANCE.			ODOR.		RESI- DUE.	AMMONIA		Chlorine.	NITROGEN as NIT- rates		Oxygen Con- sumed.	Hard- ness.	Remarks
		Turbi- dity.	Sedi- ment.	Col- or.	Cold.	Hot.		Free.	Albu- minoid		Nit- rates	Nit- rites			
1896 Oct. 30	1896. Oct. 31	Dist.	slight	0.32	Dist. vegetable	Dist. vegetable	5.65	.0004	.0250	.79	.0020	.0001	.4366	1.8	Storage Basin. Bull
Nov. 24	Nov. 25	None.	slight	1.30	Faint vegetable	Dist. vegetable	7.70	.0002	.0304	.80	.0100	.0000	1.4157	2.5	Dow's Brook.
Nov. 24	Nov. 25	None.	slight	0.50	Dist. vegetable	Dist. vegetable	5.10	.0002	.0114	.68	.0050	.0000	.6513	1.9	Storage Basin. Bull
Nov. 24	Nov. 25	slight	slight	0.37	Faint vegetable	Faint. fishy	5.65	.0008	.0220	.79	.0070	.0002	.5187	1.9	Dow's Brook.
Dec. 21	Dec. 22	Very slight	slight	0.65	Faint vegetable and mouldy	Dist. vegetable and mouldy	5.80	.0008	.0196	.78	.0100	.0001	.9400	2.1	Dow's Brook.
Dec. 21	Dec. 22	Very slight	slight	0.33	Faint vegetable	Dist. vegetable	4.55	.0012	.0086	.62	.0050	.0001	.5640	1.8	Storage Basin.
Dec. 21	Dec. 22	Dist.	slight	0.37	Faint vegetable and mouldy.	Dist. vegetable and mouldy.	5.20	.0008	.0182	.78	.0120	.0001	.5720	2.1	





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